THE CHEMIST AND DRUGGIST

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EVANS, SONS & CO. LIVERPOOL.

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EVANS AND SONS (LIMITED),

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MANUFACTURING CHEMISTS, DISTILLERS OF ESSENTIAL OILS.

Manufacturers of and Dealers in all descriptions of Druggists' Sundries.

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A Nourishing Meat & Malt Wine.

Strongly recommended by the Medical Faculty in all cases of weakened constitution, and particularly useful in cases of ladies whilst nursing, and delicate children, or in ailments where a stimulating—digestive—tonic—nutrient is indicated.

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CHEMISTS, ETC.

55 Grosvenor St., & 26 Davies St., W.; also at 7 Pall Mall East, London.

LABORATORY: MITCHAM, SURREY.

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Prize Medals

LONDON, 1851.
PARIS, 1855.
LONDON, 1862.
PARIS, 1867.
LONDON, 1885.
ADELAIDE, 1887.
MELBOURNE, 1888.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

LONDON: 42 CANNON STREET, E.C.
SATURDAY, APRIL 15, 1899.

Businesses for Disposal
Businesses Wanted
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.

For Bargains see page 75 of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

Notice of Removal.

MESSRS. ORRIDGE & CO.

HAVE **REMOVED** TO

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CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 56 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

VENDORS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.
PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.
VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

1.—£900.—**LONDON, N.**—Situate in an increasing good-class locality, Dispensing and Retail Business; returns (steadily increasing) at present at the rate of £900 yearly; well-fitted Pharmacy; convenient house, held on lease; full particulars on application.

2.—£1,100.—**LONDON. N.W.**—Dispensing and Retail Business; returns £1,100 yearly; *profits good*; the shop is well fitted, modern, and stock ample; house held on good lease; price required, about £900.

3.—£650.—**LONDON, N.W. (Suburb).**—Dispensing and Retail Business, established many years; returns between £640 and £660 yearly, *with ample and satisfactory profit*; attractive shop, and good stock; convenient house, very moderate rental, on lease; price £450.

4.—£300.—**LONDON (Islington).**—Established Business; capital *nucleus* for up-to-date trading; present returns £300; well fitted shop and good stock; price required about £270; worth attention of a small capitalist.

5.—£1,300.—**LONDON, W.**—Old-established Business; situate in a good business locality and busy thoroughfare; returns £1,300 yearly; admits of extension; well fitted shop and good sized house; about £1,000 required.

6.—£250.—**LONDON SUBURB.**—Rapidly increasing locality; good-class business, practically unopposed; returns (increasing monthly) £250 yearly; house in perfect condition, lease to be granted; low rental; about £200 only required; full particulars on application.

7.—£2,000.—**LONDON SUBURBAN** Dispensing and Family Business; returns about £2,000 yearly: full proofs on application: well-fitted and attractive shop and convenient modern residence; price £1,500.

8.—£800.—**WEST OF ENGLAND.**—Dispensing and Retail Business situate in a busy locality; well-fitted shop. held on very moderate rental; small house; the returns amount to £800 yearly; value of stock and fixtures only required, about £350.

9.—£900.—**ESSEX** (not far from town).—Dispensing and Retail Business; returns £900 yearly, *very good profitable business*; well-fitted shop and good stock; price about £750.

10.—£1,500.—**KENT.**—Attractive locality; no material opposition; established Business; Retail, Dispensing, and good-class Water trade; returns £1,500 yearly; the Business admits of very considerable extension; price required about £1,350; very good investment as a Partnership.

11.—£1,200.—**WESTERN COUNTY (Good-class provincial town).**—Country Business, including Mineral-waters, admitting of large extension by an energetic man; large and well-fitted shop and good warehouse room; good residence; no premium required; stock and fixtures at valuation; returns last year £1,200; details on application.

12.—£500.—**NORWICH.**—Retail Business; present returns £500 yearly; well-fitted shop and convenient house; very low rental; about £300 required.

13.—£800.—**SOUTH WALES.**—Good position in a large town; business established many years: returns £800 yearly; very good house; rent very moderate; about £600 required; worth attention; English language only required.

14.—£500.—**WALES.**—Profitable business, suitable only to a Welshman, to whom *good profit* is assured; the returns, £500. can be largely extended; full particulars on application; about £300 only required.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

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Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the special attention of a London Agent.

SPECIAL NOTICE.—**Messrs. ORRIDGE & CO. have a large number of Businesses for Sale suitable for Gentlemen with small capital, from £200 to £500.**

ORRIDGE & CO., 32 LUDGATE HILL, LONDON, E.C.

F. J. BRETT

VALUER,

37 Waterloo Street, LEICESTER.

References to Principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

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VALUATIONS.—The long and varied experience of F. J. Brett in Valuing all classes of Businesses throughout the United Kingdom, together with his ever-increasing connection, renders it desirable that you should secure his services, in order to have your interests well protected. Stocks carefully taken.

£1,330 returns.—**WEST.**—Good-class Cash Retail; own Proprietaries and Photographic trade; has not had much personal attention; in hands of energetic man, could be vastly increased; price £550.

£750 returns.—**LANCS.**—General Retail and Photo goods; no patents; illness sole cause of sale; good central position of large town; valuation about £350.

£350 returns.—**WILTS.**—Light and very profitable Retail, in pleasant town, vendor not being used to country trade; the business can be much increased; price £250.

£670 returns.—**MIDLANDS.**—Light and increasing Retail, in prosperous town, vendor taking larger business; valuation about £350.

£700 returns.—**SOUTH COAST.**—Wholesale in own preparations and packed goods; young pushing man would do well, as this is an excellent nucleus, and only wants attention to develop well; price £400.

£500 returns.—**BIRMINGHAM.**—Medium-class Retail, in busy part; good house; price £350.

£400 returns.—**MANCHESTER.**—General Light Retail, Dispensing, &c., in growing district; good house; price £250, or valuation.

£1,100 returns.—**LINCOLNSHIRE.**—Very old-established Business in market town; good Family Trade, and some Agricultural and fair Dispensing; large house, good garden, lawn and conservatory; valuation of stock and fixtures about £800.

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F. J. BRETT has numerous inquiries for Businesses of all sizes and classes, and can speedily sell your Business for you.

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Established 1870.

VALUATIONS are in all cases conducted by a member of the firm, and the most careful attention to details, which is so essential, may be relied upon.

1.—**SEASIDE RESORT (South).**—Growing Business, good-class Retail and Dispensing; about 1,200 new prescriptions yearly; returns £925, profits half; price £750; stock and fixtures worth £650.

2.—**WEST OF ENGLAND.**—Light Retail and Prescribing Business; returns £500, capable of increase; good house and premises; rent £30; price £275; is under manager.

3.—**GLOUCESTERSHIRE.**—Unopposed Light Country Retail, Prescribing, and Dispensing Business; returns over £850, net profit £225; good house, low rent; price £650.

4.—**MANCHESTER.**—Light Retail Dispensing and Prescribing Business; handsomely-fitted shop, and well stocked; returns over £600, net profit over £200; price £450, or offer.

5.—**OXFORDSHIRE.**—Light Retail and Prescribing Business; returns £7 weekly; low rent; good house and garden; price £170.

6.—**SOUTH WALES.**—Light Retail and Prescribing Business; returns £1,000; net profit £400; low rent; good house; price £750.

7.—**LANCS.**—Retail and Prescribing Business; returns £400; net profit £154; low rent; good house; price £280 or valuation.

8.—**SHROPSHIRE.**—Retail and Prescribing Business; returns £320; scope for increase; rent £20; good house; price £215.

9.—**BANKS OF THAMES (Thames Valley).**—Good-class Retail and Dispensing; under manager; large trade to be done; price £450.

10.—**LONDON, W.**—Unopposed Light Retail and Prescribing Business; returns £628; net profit £295, after paying expenses; price £350.

11.—**LONDON, W.**—Main road; Retail and Dispensing Business; returns £550, under management; price £200 or valuation.

12.—**LONDON, N.**—Few miles out; returns £500; net profit £200; good house; low rent; price £350.

13.—**LONDON, W.**—Good-class Retail, Dispensing, and Prescribing Business; returns £1,300; excellent profits; price £1,000.

NO CHARGE TO PURCHASERS.

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EAST COAST.—First-class Dispensing and Retail Business; returns £1,260; handsome corner shop; price £1,000. (396)

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£1,314 returns.—**SUBURBS, NORTHERN TOWN.**—Good-class Pharmacy; 7,000 prescriptions annually; net profit over £400; good house; separate entrance.

£670 returns.—**MIDLANDS.**—Nicely-fitted shop; good middle-class trade; rent £37; price, valuation, about £350.

£500 returns.—**LANCASHIRE TOWN.**—A really nicely-fitted Pharmacy, with convenient house; rent £25 on 7 years' lease; electric light; mahogany fittings, all up to date; no reasonable offer refused, on account of owner having engagement to accept at once.

Particulars of Businesses of various sizes and localities free on application.

NO CHARGE TO PURCHASERS.

Telegraphic Address—"Tomtom." Telephone No. 3965, National.

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

BLACKPOOL.—Branch Business; steady Light Retail; in central and thickly-populated neighbourhood; ample scope for rapid development under personal management; well worth attention; price about £330; stock or fixtures could be reduced to suit purchaser. Apply, Oliver L. Jackson, Church Street Pharmacy, Blackpool.

BRIGG (Lincolnshire).—For Sale, good Family Retail and Agricultural Chemist's Business; stock and fittings by valuation. Apply, Spring & Son, Brigg.

GLOUCESTERSHIRE.—A long-established Chemist's Business; present hands nearly 26 years; Light Retail, Prescribing, many Specialities; illness cause of disposal; returns could be largely increased by an energetic and pushing man; best position, good house, low rent; lease. F. B. Sellors, 147 High Street, Tewkesbury.

HOME COUNTY.—20 miles out; Retail and Prescribing Business; returns £800 by a manager; same hands over 30 years; selling through owner's death; good house; price £200; exceptional bargain. "Exors." (98/2), Office of this Paper.

KENSINGTON, in main West End thoroughfare, old-established Pharmacy; Light Retail and Dispensing; large well-fitted and stocked shop; large laboratory at rear; garden and warehouse; good house with private entrance; valuation of stock and fixtures only. Apply at once to Davies & Long, 48 High Street, Notting Hill Gate.

LEEDS (Central).—For immediate Disposal, genuine old Prescribing and Drug Business; owner retiring; good dwelling house. Apply, J. R. Armitstead, 34 Lowerhead Row, Leeds.

LINCOLNSHIRE (midst of Agricultural district).—Genuine Retail and Horse and Cattle Medicine Business for Disposal, doing nearly £700 yearly under manager; scope for increase; bargain for beginner; rent £26 yearly; house; terms easy, to effect speedy sale; £120 or valuation; full investigation invited; profits good. Sims, 1 Alexandra Street, Londesborough Street, Hull.

LIVERPOOL.—Genuine concern; splendid opportunity for a qualified man; an exceptional Drug Business, in the busiest thoroughfare of Liverpool, for Disposal; shop handsomely fitted and well stocked; profits about £250 per year; rent £42; good house attached; present hands 6 years; satisfactory reasons for selling, and fullest details on application; every investigation to cash buyer; price £600. Apply, 95/11, Office of this Paper.

LIVERPOOL (Suburb).—A Light Retail and Dispensing Business for Sale, immediately, in the suburbs of Liverpool; leading thoroughfare; satisfactory reasons for disposal; rent £40; good house; turnover over £600 per annum. Further particulars on application to "Morphia," c/o Evans, Sons & Co., Hanover Street, Liverpool.

LONDON, W.—Good Retail and Dispensing, situated in busy West End thoroughfare; old-established; returns last year, £1,323, increasing rapidly; good profits; splendid house with private entrance; good lease. Apply, "Borax" (89/31), Office of this Paper.

LONDON Middle and Working-class; returns £700; good shop and house; price about £300 (stock alone worth £200); any reasonable offer accepted, as vendor has special reason for selling. Apply, "Bargain" (93/22), Office of this Paper.

LONDON.—In busy main thoroughfare, a well-established Business, worked on up-to-date lines; returns £1,500, showing exceptionally good profits; price £1,300; principals only treated with. Apply, in first instance, to N., The Limes, Montague Road, Hornsey, N.

LONDON.—Exceptional chance.—Chemist Business; old established; crowded neighbourhood; situated best part Mile End Road; long lease, good house, low rent; returns over £600; excellent opening any other trade; lowest cash-price £450; less than cost-price; lease nearly worth the money. Apply, Vause, 285 Mile End Road, London.

LONDON, E.—Lucrative Retail Business, at a sacrifice; market thoroughfare; owner going into larger business; present returns over £48 monthly, showing large profits; great scope for increase; opening for Dentistry and Photography; decided bargain; rent moderate, can be made by letting off house; stamp for particulars. 95/30, Office of this Paper.

LONDON, S E.—£350.—Immediate Disposal, increasing cash Business, best position in South-east of London; returns £10 a week; profit £4 week; very few Patents; investigation courted to genuine buyers; no agents; up-to-date stock; handsomely fitted; low rental; large house; no real competition; good reason for disposing; only wants seeing. Apply, "Bargain" (98/29), Office of this Paper.

MIDDLESEX.—Main road, close to Royal Small Arms Factory; a good old Chemist Business, with growing neighbourhood; same hands over 24 years; drugs, patents, horse and cattle medicines; death cause of selling; rent £26, on lease; Dentistry can be added with ease. Apply, for particulars, to A. P. H., Drug Stores, Enfield Highway, N.

MIDLANDS.—Genuine Light Retail and Prescribing Business for Sale; net profit last year £250; low rent; price £350, approximate value of stock and fixtures. Full particulars of "Statim" (88/24), Office of this Paper.

MIDLANDS.—Advertiser, who is relinquishing the Retail for health reasons, has for Disposal a thoroughly sound, good-class Business, consisting of Light Retail and Dispensing, with some Prescribing, and situated in a small but thriving town; returns about £900, increasing yearly; good 12-roomed house, with or without garden; large shop and warehouse, with excellent stock; rent £50, let off £16; every investigation allowed to bonâ-fide purchasers; no agents. "Veritas" (95/38), Office of this Paper.

MIDLANDS.—Good-class Light Retail, in busy thoroughfare of rapidly-growing and important town; the business shows a very satisfactory increase and is capable of much extension; good house; vendor having a much larger concern in view, will sell at valuation, about £350 if taken at once. "Midland" (239/43), Office of this Paper.

NOTTS (Dukeries).—£360 returns, increasing; thickly-populated neighbourhood; personal attention required, hitherto been under management of unqualified Juniors; proprietor leaving the trade, desires to sell immediately; good 7-roomed house, private entrance; established 28 years; worth £180, to a cash purchaser £120; capital chance to start cheaply. 95/13, Office of this Paper.

WEST MIDLANDS.—Good Mixed Business (Light Retail, Prescribing, &c.), in good-sized market town; plate-glass front, nicely fitted up, good mahogany plate-glass cases; rent £40; lease; returns nearly £600; valuation only, about £250, or stock can be reduced if required; no garden; good reason for disposal. Apply, "Vimbos" (92/35), Office of this Paper.

ADVERTISER is leaving the Trade and wishes to Dispose of his Business as soon as possible; it is thoroughly genuine and most profitable, small Retail and Prescribing, with a little Dispensing, in very thickly-populated district, W.; returns £600; fast increasing; changed hands once in 26 years; Extractor would do grand; price £350. "Statim" (96/7), Office of this Paper.

A RAPIDLY increasing Business; Prescribing, Dentistry, and 1*d.* Retail; entirely unopposed; good house; low rent, no rates; sanitary arrangements perfect; London suburb; £250. 98/12, Office of this Paper.

A SMALL Chemist Business to be Disposed of immediately; death reason for selling; a good opportunity. Apply, F. B. Glossop, Weston-super-Mare.

BRANCH.—Immediate Disposal; good position; very populous district; well-stocked shop, good house; returns under management over £9 per week; very few Patents; thoroughly genuine; urgent reason for disposal; price £250, including good Proprietaries; offer entertained by bonâ-fide purchaser. Address, "Morton," c/o Messrs. Evans, Lescher & Webb, 60 Bartholomew Close, E.C.

CHEMIST'S corner Shop (fitted); rent £50. Apply to Mr. H. J. Bromley, Auctioneer, West Norwood, S.E.

CHEMISTS.—For Sale, a thoroughly genuine Business in small town, Gloucestershire; every investigation; no opposition; owner retiring; cheap. Apply, Neimes & Poole, Estate Agents, Newnham-on-Severn, Glos.

CORNER Shop, in large Lancashire town; lease; splendidly fitted; large plate-glass window, electric light; splendid stand for starting a cutting trade; valuation or offer accepted for quick sale. "Beta," c/o Messrs. Evans, Sons & Co., Hanover Street, Liverpool.

FOR Sale by private treaty, the Business of a Chemist and Druggist (including goodwill), with Gilbey's Wine and Spirit Agency, as carried on by the late Mr. J. G. Sinclair, at 177 and 179 Alfreton Road, Nottingham; old-established Business; situated in thickly-populated district. Apply to Messrs. Johnstone & Williams, Solicitors, 6 Weekday Cross, Nottingham, where books may be inspected.

IMMEDIATE Disposal, good-class Retail, Dispensing, and Prescribing Business in large town, population 60,000 to 70,000; well stocked and fitted; net profit £200, capable of increase; illness cause of sale; price £385. "Alpha" (98/18), Office of this Paper.

MIXED Cash Retail Business; easy distance from Manchester; last year's returns £560; increase of £104 in four years; price £380, value of stock and fixtures; owner reluctantly compelled to leave district. Reason and fullest particulars, to bonâ-fide buyers, on application to 94/31, Office of this Paper.

OLD-ESTABLISHED Business in good thoroughfare of county town; illness sole reason for disposal; rent low, £25; about £175 required; excellent opening for energetic man. Apply, &c., T. C. Beach, 52 Westgate Street, Gloucester.

RETIRING owner, who has made a competency in 10 years, wishes to dispose of his very profitable Drug Business, at once; entirely unopposed, with good connection; 6 miles from Manchester; first-class opportunity for beginner with small capital; every investigation invited; about £200 required. Apply (personally, if possible) to "Chemist," 148 Hyde Road, Denton, Manchester.

SMALL Business; through death of proprietor; South Coast, season just commencing; good chance for Prescriber and Tooth Extractor; returns last year £367; profits above the average; rent £40; let off £10; executor will accept any reasonable offer to close estate. Apply, H. D. L. (92/8), Office of this Paper.

TO Chemists' Assistants.—For Sale, a genuine Light Retail and Dispensing Business, with scope for considerable increase; specially suitable for beginner; returns, under management, nearly £800; splendid position on busy road; imposing corner shop; good house; fullest investigation; £500 to quick purchaser; no agents. Address, X., 4 Pulteney Gardens, Baths.

TO Chemists and Druggists.—To be Disposed of by Private Treaty, a valuable and increasing Chemist's Business in one of the leading Suburbs of Leeds; included in this sale are several Proprietary Articles, also the Book-debts and Goodwill of the said Business; present proprietor giving up solely for reasons of health. Full particulars as to Takings, Dispensing, &c., may be had from Messrs. C. W. Provis & Son, 4 Chapel Walks, Manchester, to whom all applications must be made.

£150.—Splendid opportunity for beginner with small capital; handsomely-fitted lock-up shop; rent £15 per annum; situated on a main road in picturesque part of Surrey; no chemist within 2 miles; 26 miles from London; satisfactory reasons for selling. "Carui" (95/33), Office of this Paper.

£500 returns.—Price £250; rent £15; profitable Light Business; fully worth £300; owner retiring; situated in outskirt of Northern city. Apply, "Fortuna" (240/61), Office of this Paper.

BUSINESSES WANTED.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

ADVERTISER is desirous of meeting with a good-class Retail, Dispensing, and Prescribing Business in London or provincial town, returning £800 to £1,200, and must show a net profit of £250 to £350; cash ready, and can take immediate possession; strictest confidence observed. Apply, X. Y. Z. (98/3), Office of this Paper.

WANTED, a genuine Business, in a good provincial town; returns from £1,000 to £1,500; one or two weeks' inspection required; banker's reference. Address, "Alpha" (238/30), Office of this Paper.

WANTED, a Business from £300 to £400; country, large village or market town; or Managership with view to succession. Give full particulars, "Chemistry," Wyleys & Co., Coventry.

WANTED to Purchase, a good-class Retail and Dispensing Business, giving £400 to £500 per annum net profit; must bear strict investigation; no objection to a smaller business if there is a prospect of increase. Full particulars to "Chemist," 131 Devonshire Road, Forest Hill.

SALES BY AUCTION.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

LINCOLNSHIRE.

Valuable Essential Oil Distillery and Medicinal Extract Manufactory, which has for over 60 years been successfully carried on by the late Mr. Wm. Holland and his father, together with good residence, business premises, cottages, and about 445 acres of superior arable and pasture land, with suitable farm premises, at Market Deeping, Deeping St. James, Langtoft and Baston, all adjoining good hard roads.

J. G. MEDCALF begs to announce that particulars of the above property for Sale at the White Horse Inn, Market Deeping, on Thursday, the 20th day of April, 1899, at half-past 3 o'clock in the afternoon, may be obtained of Messrs. Phillips, Evans & Co., Solicitors, Stamford; Mr. F. Swift, Market Deeping; and of the Auctioneer, Market Deeping.

CITY OF CORK.

TO CHEMISTS AND DRUGGISTS.

Highly-desirable Business Premises, together with Good Will, in old-established lucrative business, to be sold by auction, as a going concern.

W. MARSH & SONS have been favoured with instructions from the owner to sell by auction at their Property Sales Room, 70 South Mall, Cork, on Tuesday, April 25, 1899, at one o'clock, the Interest and Good Will in the highly-desirable premises known as No. 7 Pembroke Street, Cork, where a high-class Drug and Perfumery Business is being carried on by the Munster Drug Company (Limited).

The premises comprise spacious handsomely-fitted shop, having a frontage of 20 feet, and with store and bottle room extending to rear 60 feet; commodious dwelling-house with separate entrance, the entire being held on lease for a term of 99 years from 1845, at the low annual rental of £45.

The shop is most centrally situated, being opposite the principal hotel and post-office; it has always commanded a splendid trade, and is the only establishment of the kind in the immediate neighbourhood.

For further particulars and conditions of sale apply to Messrs. Wynne & Wynne, solicitors, 62 South Mall, Cork; W. Marsh & Sons, auctioneers and appraisers, 70 South Mall, Cork.

FOR SALE.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

FOR immediate Sale, owing to decease of Proprietor and shortness of lease, the complete Stock and Fittings of a Chemist's Shop; no reasonable offer refused. Apply, Davies, Gibbins & Co., Derby.

FOR Sale, the whole contents of a Chemist and Druggist shop; all kinds of Label Bottles and contents; show case, nest of drawers, counter, paints, &c., &c. Apply, G. P. Butler, Walsall Road, King's Hill, Wednesbury.

FOR Sale, the entire Modern Plant and Fittings of a Fly Paper Manufactory, quite new, together with the sole Patent Right and Title of a paper with a most unique name and design, and a valuable list of good wholesale distributors; in addition to which, the services of a most competent man as Manager can be secured; principals only will be treated with, as this is a genuine offer, and every explanation can be given in a satisfactory manner as to reason for its being placed in the market. For further particulars, address "Zeta," Box 3,790, Sell's Offices, 167 Fleet Street, E.C.

TO be Sold, by Private Treaty, the Mahogany Fixtures, Fittings, Counters, Glass Cases, Trade-utensils, Labelled Bottles, Jars, Window-globes, and a considerable portion of the Drugs and General Stock of a Chemist and Druggist in Leeds. Apply to Mr. Isaac Senior, Chartered Accountant, 30 East Parade, Leeds.

TO LET.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

LONDON, S.E.—Chemists.—Most exceptional opening for good-class business, at 66 Church Lane, Charlton, S.E.R.; very handsome double-fronted Shop and House of 10 rooms; rent £60 to start. "Owner," Cedar Lodge, Charlton, S.E.

CHEMIST'S Shop, fully fitted, 7-roomed house, 149 Junction Road, Upper Holloway, to be let on lease at £65 per annum; fixtures to be sold, a bargain. Apply, 156 Fortess Road, Kentish Town, N.W.

GOOD opening for Chemist's Shop (plate-glass front) and good dwelling-house; newly erected; centre of main road; at low rental of £22 per annum. Apply, S. Addenbrooke, Builder, Mason Street, Wolverhampton.

TO Chemists, Druggists, Patent Medicine Manufacturers, &c.—Warehouse (large light), 59 Farringdon Road, E.C., to Let; newly-erected, consisting of ground floor, basement, and four upper floors; rent £450 per annum, lease 7, 14, 21 years; immediately opposite the Great Northern Railway Goods Depôt, and central for the Patent Medicine trade.

PARTNERSHIPS.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

ANALYTICAL CHEMIST.—A young German, a Doctor of Philosophy, with good knowledge of Chemistry, desires Active Partnership with a qualified Chemist. 89/2, Office of this Paper.

CHEMIST and Dentist, in West of England seaside town, wishes Partner, or would sell Chemist's business to suitable gentleman on easy terms; business increasing and thoroughly up to date, well fitted, and large stock; commodious house; references exchanged. Apply, "Genuine" (92/10), Office of this Paper.

PARTNER required in a very old-established, first-class Business in one of the Eastern counties; vendor, who is retiring, would entertain a 1, 2, or 3 years' Partnership, with succession after that time. Full purchase money about £3,500; principals or solicitors only treated with. "Partnership" (98/1), Office of this Paper.

WANTED, a Qualified Chemist, with about £400 or £500, to join another who will invest same amount, with a view of procuring a Chemist's Business; district has not been decided upon. Address, 97/40, Office of this Paper.

APPRENTICESHIPS.

EXCEPTIONAL Opportunity.—Apprentice wanted in a high-class Dispensing business; must have passed Preliminary Examination and be an intelligent and industrious lad; a comfortable home, good table; in the healthiest suburb of London; small premium; short hours. Apply, S. A. Walton (from W. Martindale's), 190 Broadhurst Gardens, W. Hampstead, N.W.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

The Publisher of "The Chemist and Druggist" wishes it to be understood that he is not in any way responsible in respect of Advertisements answers to which are to be sent to this Office.

Assistants applying for any of the Situations advertised below are recommended in no case to send Original Testimonials. If they send Photographs or any Documents which they wish to have returned, a Stamped Addressed Envelope should be enclosed.

RETAIL.

ALDERSHOT.—Wanted, immediately, a reliable Junior Assistant; knowledge of Photography and Teeth-extracting preferred. Send photo and full particulars to Allen & Lloyd, High Street, Aldershot.

ALRESFORD.—Wanted, Assistant in country business; one reading for Minor preferred; must be steady and well recommended. Apply, with usual particulars, to Willis, Chemist, Alresford, Hants.

ASHBURTON.—Wanted, immediately, a qualified Assistant, indoors; easy hours; no Sunday duty; would suit a delicate man; salary £40 per annum. Richards, East Street, Ashburton.

BATH.—Junior Assistant wanted immediately: good Dispenser. Apply, stating full particulars, to J. G. Hall, 56 Southgate Street, Bath.

BIRMINGHAM.—For good class suburban trade, active reliable Junior to manage Branch; comfortable home. References, with full particulars (enclosing photo), to J. Beech, Chemist, Ladywood, Birmingham.

BRAMLEY (Leeds).—Wanted, Branch Manager; sober, capable, and reliable man liberally dealt with; must be energetic, and able to take sole charge; meals taken on the premises; no Sunday duty; weekly half-day; Yorkshireman preferred, and a personal interview desirable. Baxter, 200 Town Street.

BRIGHTON.—Wanted at once, outdoor Assistant, about 23, for good-class Cash business. State age, salary required, and give full particulars of experience, enclosing photo, to Headland & Co., North Street, Brighton.

BRIGHTON.—Junior Assistant (indoors); accustomed to select Retail and Dispensing business. Apply, stating age, height, salary, and reference, also enclose photo if convenient (to be returned), Kilby, Pears & Son, Pharmaceutical Chemists, Brighton.

BRISTOL.—Wanted, as soon as possible, a Junior Assistant (indoors); send full particulars, salary required, with reference and photo, if convenient. Apply John Evans, Temple Gate, Bristol.

BUXTON.—An Assistant, of good address; must be well up in Dispensing and select class of business; qualified or otherwise; indoors. Apply, with fullest particulars as to experience, also stating salary required, height, age, with photo, to A. Thresh, Buxton, Derbyshire.

CANTERBURY.—Junior Assistant (outdoors), accustomed to good-class Dispensing and Retail business. Full particulars, enclosing photo, to Edwin Bing & Son, Pharmaceutical Chemists, Canterbury.

CAPE COLONY.—Wanted, qualified Assistant; aged not over 28; 3 years' agreement; salary, first year, £13 per month; second, £14; third, £15; passage paid. Apply to R. L., S. Maw, Son & Thompson, 7 to 12 Aldersgate Street, E.C.

CARDIFF.—Assistant for the Drug Counter; must have Minor qualification. Please state age, height, salary, and reference, to Jesse Williams & Co., Chemists, Cardiff.

CARDIFF.—Assistant wanted for the Counter; accustomed to Store trade; good Salesman indispensable. Apply (with two references and photo) stating age, height, and salary required (outdoors), Duck's Drug Stores, St. John's Square, Cardiff.

CLIFTON.—Wanted, by April 24, qualified Junior of good address for a high-class Dispensing business; salary £60; indoors. Apply, with full particulars as to age, height, and experience, to H. E. Matthews, 30 The Mall, Clifton, Bristol.

COLCHESTER.—Assistant, about 23 (indoors), for good-class business; easy hours. Applicants please give full particulars and send photo to H. E. Baker, Chemist, 7 Head Street, Colchester.

COVENTRY.—Wanted, a Junior Assistant, for a quick cash Retail business. Send full particulars to Blunt's Drug Stores, Coventry.

CROYDON.—Wanted, an Assistant, for the Retail Counter (outdoors). Apply, giving full particulars, to D. P. Roberts, Drug and Chemical Stores, 120 North End, Croydon.

DERBYSHIRE; Country town; good-class Agricultural business. —Wanted, Junior, to work with principal, who is young and energetic; qualification not necessary; hours 8 to 8, Wednesdays 1 P.M.; no Sunday duty; full particulars, salary, photo (returnable): outdoor; every consideration to a suitable man. Apply, 90/33, Office of this Paper.

DEVON (Seaside).—Wanted, at once, a reliable Assistant, for Light Dispensing and General Retail; outdoors. Apply, with full particulars, to C. F. Gosney, Seaton, Devon.

DOVER.—Wanted, immediately, competent Assistant. Send full particulars to Battle & Co., Chemists, Dover.

DURHAM COUNTY.—Wanted, Assistant, to Manage Mixed Country Retail and Prescribing business in county of Durham; energetic, obliging, and trustworthy; house for married man; weekly half-holiday; one desiring a permanency preferred. Apply, "Chemist," c/o Messrs. Ismay, Wholesale Druggists, Newcastle-on-Tyne.

EXETER.—Wanted, at once, qualified Assistant, to manage Branch; good house; salary and commission. Apply, with references, to Coleherd & Co., Ltd., Ottery St. Mary, Devon.

FOLKESTONE.—An Assistant, qualified; outdoors; one seeking a permanency preferred. Address, with photo, stating salary, &c., W. Ransford, 95 Cheriton Road, Folkestone.

FOLKESTONE.—Junior Assistant required, early in May; must be gentlemanly in appearance, and a reliable Dispenser. Apply, stating age, salary required, and references, to John Knight, Pharmacist, Folkestone.

FOR THE EAST.—Good opening for a thoroughly competent qualified Manager, with first-class City experience, about 27 to 30; must be energetic, active, and capable; commencing salary, say £225; free passage out and home, and free quarters; 4 years' agreement. By letter to Dakin Brothers, 87A Leadenhall Street, E.C.

GRAVESEND.—Wanted, immediately, good Junior Assistant; with knowledge of Photography preferred, but not essential. Apply, with full particulars, to W. Batchelor, 152 Milton Road, Gravesend.

GUILDFORD.—Wanted immediately, a Junior (indoors, aged about 20) for a high-class Dispensing business. Apply, stating height, references, and salary required, and enclosing photo, to Henry Jeffries, Chemist, Guildford.

HARROGATE.—Wanted, a smart Junior Assistant, used to good-class trade. Apply, stating age, height, salary required (indoors), and previous experience, if possible enclosing photo, to S. E. Handford, late Reynolds, Pharmaceutical Chemist, Harrogate.

HORNCASTLE.—Wanted, Junior accustomed to good Family and Dispensing business. Enclose photo and state terms to Carlton & Sons, Chemists, Horncastle.

HUDDERSFIELD.—Wanted, immediately, a Junior Assistant, for a brisk Retail business; outdoors. Apply, with the usual particulars, to J. W. Cockcroft, Northgate, Huddersfield.

HULL.—Wanted, energetic qualified Chemist, or Branch Manager; Stores experience preferred; good references imperative. State wages, to Hull Drug Company (Limited), 34 Whitefriargate, Hull.

HULL.—Wanted, by May 1st, a qualified Assistant, indoors, not over 25, and with Store experience preferred; a comfortable home and every consideration for personal comfort is offered to a suitable man. State age salary required, and usual particulars, to Price & Burnett, 11 Witham, Hull.

IPSWICH.—Qualified Assistant (outdoors). Apply, stating age, salary required, references, to F. C. Stacey, Chemist, 156 Bramford Road, Ipswich.

KINGSTON-ON-THAMES.—Assistant (outdoors), aged about 23, and of obliging disposition; half-day, from 2, weekly; no Sunday duty. Apply, with usual particulars and salary required, to W. E. Clarke, Chemist, High Street, Kingston-on-Thames.

LANCASHIRE.—Qualified Assistant (young); good counterman; light hours, Tuesday afternoons and every Sunday off. Apply, stating age, reference, and salary, to "Pushing" (92/5), Office of this Paper.

LAUNCESTON.—Junior Assistant or Improver required, for a good-class Country business; indoors; state age, height, salary required, and send photo (which will be returned); also references. Address, F. Downing, High Street, Launceston.

LEAMINGTON SPA.—Wanted, Junior Assistant for Dispensing and Light Retail; others kept. Apply, with fullest particulars and salary required in first letter, enclosing photo, if possible (to be returned), to Fisher, Chemist, Leamington Spa.

LEIGHTON BUZZARD.—Wanted, at once, an Assistant about 22 years of age (outdoors) for a Light Retail and Dispensing business; hours 8 A.M. to 7 P.M. (Thursdays 4 P.M., Saturdays 10 P.M.); no Sunday duty. Please state full particulars, and salary required, to Herington & Son, 16 Market Square, Leighton Buzzard, Beds.

LINCOLNSHIRE.—Qualified Assistant required; must be able to Manage shop: Wesleyan preferred. Write, stating age, &c., with salary required, to W., c/o Potter & Clarke, Artillery Lane, London, E.

LIVERPOOL.—Wanted, smart Assistant to manage Branch, Light Retail and Dispensing, for April 28. Apply, "Nemo," c/o W. H. French & Co., Wholesale Druggists, Rice Lane, Walton, Liverpool.

LONDON, S.E.—Wanted, for a business conducted on the Store system, a qualified Assistant; must be thoroughly competent, and of good business ability. Apply, giving full particulars, to Prosser Roberts, 323 Walworth Road, London, S.E. Also a good Junior wanted.

LONDON, S.W.—Wanted, a qualified Assistant, indoors; two are kept. Apply, with usual particulars, enclosing photo (to be returned), W. T. Frost, Mason's Pharmacy, Parson's Green, Fulham, S.W.

LONDON, S.W.—A Stock hand wanted; must be able to keep books; one who has been in the Wholesale and requires a lighter place would suit. Apply, stating full particulars, C. Lowe & Co., Chemists, Surbiton.

LONDON, S.W.—Qualified Assistant wanted at the beginning of May; must be an accurate Dispenser. Messrs. W. W. Brunton & Co., 160 Earl's Court Road.

LONDON, W.—Wanted, qualified Junior Assistant (outdoors) for Dispensing and Retail. Apply, W. C. Jones & Co., 23 Bayswater Terrace, W.

LONDON, S.W.—Competent Assistant, for good Dispensing and Retail; in or out doors. Apply, stating age, salary required, and references, to F. T. Bowen, The Merton Pharmacy, Wimbledon, S.W.

LONDON, N.—Junior; a smart young man just out of apprenticeship; if with Tooth-extracting knowledge preferred; salary £26 year, increasing. State age, height, if photo sent will return, also reference, to Morris, Chemist, West Green, South Tottenham, London, N.

LONDON.—Assistant wanted, for 3 days a week, viz., Tuesday, Wednesday, and Thursday; also Sunday evenings. Apply, T. R. Kent, 226 Blackfriars Road, S.E.

LONDON.—A qualified and experienced Assistant, speaking French; not less than 24; accustomed to good-class business, and desiring permanency; indoors. Apply, with fullest particulars, to G. Jozeau, 49 Haymarket, London, S.W.

LONDON, N.—Evening Employment.—Two evenings a week and every other Sunday; not necessarily qualified. Apply, S. C. (93/32), Office of this Paper.

LONDON.—Assistant, outdoors (about 24), at once; duties, to put up stock and assist at counter; must be active and neat; permanency; salary, 33s. week; hours 8.45 to 9, 11 on Saturdays. Full particulars to "Statim" (91/1), Office of this Paper.

LONDON, S.W.—Assistant wanted, near end of month, over 21, with experience in Dispensing; good-class modern Retail and Dispensing business; comfortable berth. Write or call, "Pharmacy," 801 Fulham Road, S.W.

LONDON, S.W.—Wanted, at once, a reliable Junior Assistant, used to a good-class Dispensing business; easy hours; salary £30 (indoors). W. F. Garry, Chemist, 9 Tulse Hill, Brixton, London, S.W.

SITUATIONS OPEN—*cont.*

RETAIL—continued.

LONDON, W.—Qualified Assistant in first-class Dispensing business. Apply personally, or send full particulars to J. & H. Mathews, 68 Queen's Gardens, Hyde Park, W.

LONDON.—Qualified Assistant wanted, about 23; indoors. Apply, S. W. Ord, Pharm. Chemist, 3 Hanover Street, Regent Street, W.

LONDON, N.W.—Junior Assistant; aged about 20 or 21 years; one day weekly 5 o'clock; salary £30 (indoors); state references and send photo, which will be returned. Cosway & Rutter, 109 Kilburn High Road.

LONDON (Suburb).—Junior, for Dispensing business, with knowledge of Photography preferred, but not essential; half-holiday weekly; time for study could be arranged. References and salary required to Hanson, Chemist, High Street, Sidcup.

LONDON, N.E. — Wanted, immediately, an Assistant (indoors). Apply, personally if possible, or by letter, stating age, height, and salary required, to Thomas, Chemist, 411 Mare Street, Hackney, N.E.

LONDON, W.—Junior Assistant, by 1st prox.; of gentlemanly appearance and habits, neat and accurate Dispenser, and capable of taking occasional charge; recreation, 3 afternoons and one evening from 6.30, Sunday duty morning or evening alternately. Apply, with photo if possible, to Horsey, 12 James' Street, Westbourne Terrace, W.

LONDON, S.W.—Assistant, outdoors: no Sunday work. Also Junior or Improver for Stock, &c. H. E. Durbin, Store Chemist, 131 High Street, Putney.

LONDON, S.W.—Wanted, shortly, a competent trustworthy Assistant, aged about 24, for a good-class Dispensing and Retail business; indoors. Apply personally after Monday 17th, or by letter, with usual particulars, Lloyd, 267 King's Road, Chelsea, S.W.

LONDON, S.W.—Wanted, for a permanency, a qualified Assistant in S.W. suburban district; one accustomed to modern Retail on Store line; aged 24 to 35; Extractor; good salary. Apply, with full particulars as to age, height, salary required (indoors or outdoors), references, to H. K., 103 High Street, Wandsworth, S.W.

LONDON, S.E.—Junior for good-class Dispensing and Retail (indoors). Apply, with full particulars and photo (to be returned), H. G. Wildman, 88 Norwood Road, Herne Hill, S.E.

LONDON, W.—A competent, trustworthy Assistant (qualified) for a good-class Dispensing and Light Retail business. W. Pickard, 3 West Kensington Terrace, W.

LONDON, N.—Junior or Improver, indoors, for Light Retail and Dispensing business. Usual particulars to 96/9, Office of this Paper.

LONDON.—Wanted, Assistant, part-time; outdoors; student preferred; good business man. J. W. H., 55 St. Martin's Lane, W.C.

LONDON, S.W.—Second Counterman. Apply, after 7 o'clock, Sloane Pharmacy Stores (Lim.), 19 King's Road, Sloane Square, S.W.

LONDON, S.W.—Wanted, April 17, a competent, trustworthy Assistant (qualified), for a good-class Dispensing and Retail business; outdoors. E. Wavell, 144 Victoria Street, S.W.

LONDON, S.W.—Junior Assistant wanted, at once, for good-class Light Retail and Dispensing business. Apply, with usual particulars and photo, to H. A. Legg, 53 Wilton Road, Victoria, S.W.

LONDON, N.W.—Indoors; two smart Juniors, at once, for best-class Dispensing and Retail; good salary and commission given to men used to quick cash trade. Apply, giving full particulars of age, height, experience, salary expected, &c, to F., c/o Davy, Hill & Son, 64 Park Street, Southwark, S.E.

LONDON (Central).—Outdoor Assistant as Senior; about 26; unqualified preferred; must be a good worker and thoroughly reliable; salary 37s. 6d., and 40s. in 3 months if suitable; half-day off in each week. Full particulars, age, height, and send photo, &c., "Simpson" (98/30), Office of this Paper.

MARGATE.—Wanted, Locum tenens, qualified, for good-class Retail and Dispensing, for May 10 till 27, inclusive. Holmes, Chemist, Margate.

MARGATE.—Wanted, Junior Assistant, who has had Dispensing experience in a good-class business. State age, height, salary, and when disengaged, to James Hewlett, John Baily & Co., Chemists, Margate.

MINSTER.—Wanted, immediately, Locum; qualified; references. J. W. Hadley, Minster, near Ramsgate.

NEATH.—A qualified Manager; Welshman preferred; married or single; outdoors. Also an experienced Assistant; qualification unnecessary; short hours, no Sunday duty. Apply, J. Griffith Isaac, Chemist, Neath, S. Wales.

NORTH OF ENGLAND.—Wanted, for North of England, a fully qualified, reliable, and pushing young man as Senior Assistant or Manager; salary £100 per annum (outdoors), with increase, or commission, after reasonable trial; total abstainer preferred. Apply, L. F. V., c/o Messrs. Ismay & Sons, Wholesale Druggists, Newcastle-on-Tyne.

NOTTINGHAM.—Wanted, early May, Junior Assistant or Improver. Send full particulars, salary required, with reference, and photo (if convenient); postal knowledge advantageous, but not essential: no Sunday duty. Lumby, Chemist, Postal Telegraph Office, Arkwright Street, Nottingham.

PORTH.—Wanted immediately, a Junior Assistant; country business; short hours; outdoors. T. Davies, Pharmaceutical Chemist, Porth, Glam.

SEASIDE.—Junior or Improver, in good-class business; easy hours; no heavy trade; with knowledge of Photography preferred. Apply, with usual particulars, to Hutching, Pharmacist, Burnham, Somerset.

SEASIDE.—Assistant; permanency; energetic; unqualified; accustomed to quick Store trade preferred. Apply, stating age, height, references, and full particulars, and enclose photo, to 96/23, Office of this Paper.

ST. ANNE'S-ON-THE-SEA.—At once, smart Assistant, about 23 (indoors), for first-class business: must be a gentleman in appearance and address, and have some knowledge of high-class Pharmacy. Applicants please state age, height, salary required, &c., and enclose photo, J. H. Taylor, St. Anne's-on-the-Sea.

ST. AUSTELL.—Junior or Improver wanted in a good-class Country business; no heavy trade; easy hours; half-holiday weekly; no Sunday duty; good opportunity for one just out of his apprenticeship. Apply, with photo, Cross, Chemist, St. Austell, Cornwall.

SLOUGH.—Senior Assistant wanted, at once; indoors; reasonable hours; £60 to capable man. Griffith & Walden, Dispensing Chemists.

SOUTH AFRICA.—A qualified Assistant wanted for a healthy up-country town in the Cape Colony; liberal salary. Apply, by letter only, to L. L., c/o Warner Bros., 131 Finsbury Pavement, E.C.

SOUTH AFRICA.—Wanted immediately, a qualified Assistant; Tooth Extractor preferred; must be energetic and willing, and able to give satisfactory testimonials and references; 3 years' engagement; second-class passage paid out; salary, first year £16 per month, second year £17, third year £18 per month; bedroom provided; please supply all particulars when making application. Address, "South Africa," c/o Messrs. Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

SOUTHAMPTON.—Improver or Junior Assistant; age from 19 to 22; one just out of his time; Cornishman preferred; high-class Retail, with Photography. Martin, Pharm. Chemist, Southampton.

SOUTHEND-ON-SEA.—Wanted, Assistant (indoors), accustomed to good-class business. Apply, with usual particulars, to F. York, Pharmaceutical Chemist, Southend.

SUTTON.—Wanted, a Junior Assistant, about 22, as indoors (two kept); personal interview desirable; write first. Utton Blyth, 21 High Street, Sutton, Surrey (12 miles from London Bridge or Victoria).

TODMORDEN.—Junior or Improver: indoors; comfortable home. Send particulars of age, height, experience, salary required, reference, &c., with photo, if convenient (to be returned). Apply, Greenwood, Chemist, Todmorden.

TONBRIDGE.—Capable Assistant for Country business, indoors. Apply, stating age, height, salary required, enclose photo (which will be returned), F. G. Abel, Chemist, Tonbridge, Kent.

TRURO.—Smart Junior wanted; qualified preferred; indoors; easy hours, half-day per week. Apply, stating age, salary required, and references, to B. Carter, Pharmacist, 10 and 11 Lemon Street, Truro.

WESTON-SUPER-MARE.—Qualified Assistant (indoors) for good-class Dispensing business. Send particulars of experience, &c., to John Cooper, Pharmaceutical Chemist, Weston-super-Mare.

WOKING.—Junior Assistant, about 22, for good-class Dispensing and Light Retail business; indoors; one other kept; hours 8 to 8, half-day every other Wednesday, one hour off mid-day. Apply, with full particulars, including height, salary, &c., to Littleboy, The Pharmacy, Woking.

WOLVERHAMPTON.—Wanted, indoor Assistant; abstainer. State age, height, references, when at liberty, salary required, and enclose photo, to "Chemist," 11 Queen Square, Wolverhampton.

WORCESTER.—Outdoor Assistant, for the Dispensing-counter. Apply, with photo, stating age, height, and experience, to E. J. Kitson, The City Drug Stores, Worcester.

WORTHING.—Assistant, qualified and experienced, in good-class trade; seaside; May 1st. Send particulars, with references, to W. Aston, Pharmaceutical Chemist, 21 Montague Street, Worthing.

YORKSHIRE.—Wanted, shortly, a qualified Assistant, about 27, for a good-class Country business, with Gilbey's Agency. Please state age, height, married or single, salary required (outdoors), and all other particulars, to "Radix," c/o Evans, Sons & Co., Liverpool.

AS Dispenser to Doctor: hours 9.30 to 12 30 and 6 to 9 P.M.; good salary to suitable man; one who requires a permanency preferred. Apply to S. A. Walton, 190 Broadhurst Gardens, W. Hampstead, N.W. (W. Hampstead Metropolitan Railway Station).

ASMART Junior wanted at once (in or out doors), Cash business, S.W. Apply, giving full particulars of experience, salary expected, &c., to H, Davy Hill & Son, 101 Southwark Street, London, S.E.

CHEMIST.—Required, Assistant-Dispenser, for Store trade; must be duly qualified, aged under 25. Apply, by letter, stating full particulars of previous engagements, age, qualification, and salary required (outdoors, West-end), to "Chemist," Chas. Tayler & Co.'s Advertisement Offices, 154 to 157 Fleet Street, E.C.

CHEMISTS' ASSISTANTS.—Wanted, experienced qualified Assistant, to Manage Chemist's business in North Country town. Apply, with references and full particulars, stating age and salary expected, enclose photo, W. Paterson & Sons, Wholesale Druggists, Aberdeen.

DEMONSTRATORSHIP.—Wanted, a gentleman with a thorough knowledge of Pharmacy and Chemistry for the post of Demonstrator in a School of Pharmacy. Send references and full particulars, "Cenrea" (240/62), Office of this Paper.

DISPENSER required, immediately, for Plymouth district, under 30 years of age; Minor qualifications; short hours; salary 2 guineas per week. Address D., Box 3786, Sell's Advertising Offices, London.

IMMEDIATELY.—Business man wanted, as Manager (in or out doors); qualified for first-class modern Cash Pharmacy and Photographic trade, London, S.W.; liberal salary to suitable and reliable hand seeking permanency. Apply, stating fullest particulars, to X., Messrs. Hodgkinson & Co., 101 Whitecross Street, E.C.

JUNIOR Retail Assistant; indoors; must have had first-class experience, and be qualified, with some knowledge of Photography preferred. Apply, giving full particulars of age, experience, qualification, reference, and salary required, with photograph if possible, to Brady & Martin, 29 Mosley Street, Newcastle-on-Tyne.

JUNIOR Assistant wanted (indoors) for an old-established business in large town in the Midlands. Apply, with full particulars as to salary required, experience, when disengaged, and photo, to "Provincial," c/o Evans, Lescher & Webb, 60 Bartholomew Close, London. Off alternate Thursdays at 2.

JUNIOR Assistant, about 21, wanted at once, for modern Cash Pharmacy in fashionable N.W. suburb; preference given to a man possessing knowledge of the Photographic trade. Apply, stating full particulars of experience, age, height, salary, &c. (indoors), to X., care of Hodgkinson, Clark & Ward, 101 Whitecross Street, E.C.

MAY 16th.—Locum wanted for a fortnight or three weeks; apprentice and porter kept; with knowledge of Photographic trade preferred; comfortable bachelor quarters. Apply, Fleet, Chemist, Rugby.

PARKE'S DRUG STORES, LIMITED, have vacancies for a Manager, 2 smart Countermen, and 2 Juniors, for new Branches. Apply personally, or by letter, with photo, at 151 High Street, Kensington, W.

QUALIFIED Assistant wanted this month; indoors; high-class Dispensing business. W. R. Hues, The Malvern Pharmacy, Great Malvern.

QUALIFIED Assistant, married, under 45, possessing good references, required for London district; ultimate view to managership to suitable man. "Emulsion" (97/12), Office of this Paper.

SMART, active, qualified men wanted as Managers for Branches; must be good business men and capable of working up a district; good salary and prospects to suitable men. Also required a Junior Assistant, who must be good window-dresser. Apply, Sussex Drug Company (Limited), Granville House, Arundel Street, Strand, W.C. (third floor). Interviews from 3.30 to 4.30 P.M.

UNQUALIFIED Assistant, for good Cash business, about 30 miles from London; reasonable hours; references to bear investigation. Apply, giving full particulars as to three last situations, to "Gentian" (9/13), Office of this Paper.

WANTED, reliable Assistant, qualification not essential, experienced in good-class business; one with knowledge of Surgical Appliances preferred; suitable man liberally treated with. Apply, with full particulars as to age, experience, salary required, enclosing photo, if possible, 215, Office of this Paper.

WANTED, a good qualified Dispenser, and also an unqualified Assistant. Apply, Lewis & Burrows (Limited), 22 Great Portland Street, W. If application is made by letter please enclose photo.

WANTED, a qualified Chemist, to manage an East-end business; liberal terms will be given to a smart pushing man; indoors; single. Marker, Mitcham.

WANTED, immediately, Junior Assistant; indoors; must have been accustomed to good-class trade. Apply, with full particulars, and close carte if convenient, to be returned (Welsh not necessary), 33 Broad Street, Welshpool.

WANTED, active Junior (outdoors), about 20, for pushing Retail business; must be quick and reliable, and a good Counterman. Apply, stating age, height, experience, reference, and salary required, enclosing photo, to J. & J. Thompson & Co. (Limited), 192 Manchester Street, Oldham.

WANTED, end of April, good Dispenser and Bookkeeper. Apply to Drs. Bramwell & Duke, Cullercoats-by-the-Sea, Northumberland.

WANTED, a Junior Assistant in a Light Retail and Dispensing business. Address, stating age, reference, and salary required (indoors), "Cocaine," c/o Messrs. Evans, Sons & Co., Hanover Street, Liverpool.

WANTED, a qualified Assistant for a good-class Light Retail and Dispensing business; aged about 25; indoors; capable of being left in charge; salary £66 a year. Apply, giving full particulars, to B., c/o Southall Brothers & Barclay, Birmingham.

WANTED, immediately, a good Junior or Improver; indoors; one who has been accustomed to good-class Agricultural business; abstainer preferred; no Sunday duty; good references indispensable; comfortable Christian home. 94/11, Office of this Paper.

ST. MARY'S CHILDREN'S HOSPITAL, PLAISTOW, LONDON.

DISPENSER wanted; hours 10 to 6; salary £80 per annum (dinner and tea provided). Applications, stating age, with copies of recent testimonials, to be made in writing, to the Secretary.

NORTH STAFFORDSHIRE INFIRMARY AND EYE HOSPITAL.

DISPENSER wanted; non-resident; Minor qualification at least necessary; salary to commence at £125 per annum.

Applications, with not more than three recent testimonials, to be in the hands of the Secretary on or before April 27. The appointment will be made on May 4, and selected candidates will be required to attend before the Committee on that day at 2 o'clock P.M.

By Order,
RALPH HORDLEY,
Secretary and House Steward.

Hartshill,
Stoke on Trent,
April 12, 1899.

WHOLESALE.

DUBLIN.—A large Drug Establishment in Dublin, Wholesale, requires the services of a person to conduct the Commercial department; first-class references both as to character and ability required. Applications, with testimonials, &c., to be sent to 4 Gardiner's Row, Dublin.

AGENT wanted, calling on Wholesale Druggists; German preferred. Address, "Druggist," c/o T. B. Browne's Advertising Offices, 163 Queen Victoria Street, E.C.

ASSISTANT Invoice Clerk wanted. Apply, by letter only, giving full particulars as to experience, age, and salary required, to the Accountant, Southall Bros. & Barclay (Limited), Birmingham.

CAPABLE, energetic young gentlemen, who are well up in Pharmacy and Therapeutics, will find full scope for their abilities in the positions now open on the Travelling Representative staff, both at home and abroad, of a high-class firm of Manufacturing Chemists. Apply, with full particulars of experience, &c., to F. S. C. I. (236/66), c/o the Office of this Paper.

IN the Research, Analytical, and Manufacturing Laboratories of a prominent firm of Manufacturing Chemists are vacancies for well-qualified gentlemen; candidates must furnish full particulars as to age, qualifications, and experience, and state salary required. Address, "Chemist," c/o Messrs. Street & Co., 30 Cornhill, E.C.

RELIABLE man, accustomed to making Pharmaceutical and Perfumery Preparations. Apply, giving full particulars, to "Toilet," (239/46), Office of this Paper.

REPRESENTATIVE for the Midland and adjacent Counties to call on Chemists and Surgeons for a Provincial Firm of Wholesale and Manufacturing Pharmacists. It is essential that replies include full personal and business particulars, which will be regarded in the strictest confidence, 95/1, Office of this Paper.

VACANCIES for Laboratory hands and Light Porters in a Manufacturing business. Address, with full particulars of age, experience, and wages expected, to "Lab," c/o Street & Co., 30 Cornhill, E.C.

WANTED, a qualified Chemist for Laboratory work; must be thoroughly experienced in the Manufacture of all Pharmaceutical Preparations. Apply, stating age, experience, salary required, &c., to the Managing Secretary, General Apothecaries' Company, 49 Berners Street, London, W.

WANTED, an Analytical Chemist, of exceptionally high and proved ability and accuracy, with good experience in testing Medicinal Chemicals, to take up the position of Chief Analyst at the works of a leading London firm of Manufacturing Chemists; a gentleman who has taken University degrees preferred. Address, stating age, qualifications, and experience, to "Analyst," c/o Messrs. Markby, Stewart & Co., Solicitors, 57 Coleman Street, London, E.C.

WANTED, for Provincial Laboratory, a qualified Chemist; must be accustomed to manufacture of up-to-date Pharmaceutical preparations. Apply, stating age, experience, and salary required, to "Salol" (240,68), Office of this Paper.

WHOLESALE.—Wanted, experienced unqualified Assistant, to superintend the putting up of drug orders, and to help in the Manufacturing of Pharmaceutical Preparations; also smart Junior for wet counter. Apply, giving, in each case, age, experience, references, and stating salary required, to the Laboratory Manager, 80 Borough Road, S.E.

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COMFORTABLE and quiet home for Students; near Square and City schools; full or partial board residence on very moderate terms; references to past and present students. Washington House, 36 Woburn Place, London, W.C.

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EVENINGS; singly or by week; disengaged. V., 34 Osborne Terrace, S.W.

JUNIOR; 24: Dispenser; country preferred. G. K., 202 Dalton Road, Barrow-in-Furness.

BRANCH Manager or Assistant; 30; married; qualified. 95/36, Office of this Paper.

QUALIFIED Manager or Assistant; disengaged May 6th. 95/37, Office of this Paper.

L.T. (48); town or country; qualified. Baker, 65 Leverton Street, London, N.W.

LOCUM.—By day or week; qualified. G., 54 Callcott Road, Brondesbury, London.

SENIOR or Manager: Major; 26; 10 years' experience. 17 Inman Road, Harlesden, N.W.

MINOR—As Assistant or Branch Manager; 10 years' experience. 94/9, Office of this Paper.

QUALIFIED Chemist seeks occasional Evening and Day engagement. 98/13, Office of this Paper.

LOCUM or Manager; qualified; experienced; disengaged. H. G. H., 76 Lawrence Avenue, Ilford.

JUNIOR; 20; 5 years' experience; disengaged; outdoors. "Junior," 95 Derby Road Nottingham.

ASSISTANT-MANAGER; 28; smart; 12 years' experience. 31 Market Street, Huddersfield.

MANAGER or Senior: 11 years' experience. "Quassia," 28 Percy Road, Shepherd's Bush, W.

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PART-TIME; good London experience and references. Green, 2 Hill Street, Richmond, S.W.

LOCUM; qualified; disengaged; highest references. W. A., 123 Ombersley Road, Birmingham.

MANAGER or Senior; qualified; good references; outdoors; London. L. J. (98/27), Office of this Paper.

ASSISTANT; 26; in or outdoors; good references. "Student," 63 Ilderton Road, Rotherhithe, S.E.

ASSISTANT; 24; tall; good Store experience; outdoors; at liberty. "Ajax" (97/15), Office of this Paper.

AS Assistant; outdoors; aged 27; tall; experienced; good references. T., 34 Broad Oak Street, Nottingham.

AS Branch Manager; 30; married, steady, reliable; understands Dentistry. 237/55, Office of this Paper.

JUNIOR; 22; good London and country experience; Photography; disengaged. 93/38, Office of this Paper.

PART-TIME; good experience; London preferred. "Student," 17 Richmond Terrace, Clapham Road, S.W.

MANAGER or Senior; qualified; tall; excellent experience. "Methane" (94/17), Office of this Paper.

PART-TIME; Assistant, 23; London experience; good Dispenser. Smith, 17 Florence Road, New Cross, S.E.

COUNTERMAN; unqualified; Store trade; aged 30. W. L., 5 Montpelier Place, Brompton Road, S.W.

PRACTICAL, competent, qualified Locum-tenens or Manager; middle-aged. "Chemist," Witherley, Atherstone.

MANAGER: best experience; 40; married; qualified; tall. "Statim," 39 St. Mary's Road, Hastings.

ASSISTANT or Locum; unqualified; reasonable terms. Reed, Crampton's Temperance Hotel, Briggate, Leeds.

JUNIOR; 21; 5½ years', including London, experience; outdoors and London preferred. W. P., 732 Old Kent Road, S.E.

ASSISTANT; 23; in first-class Dispensing and Retail business; good experience. Paterson, 224 Earl's Court Road, S.W.

AS Senior or Manager; Branch; 25; good address; energetic; highest experience. "Chemist" (96/29), Office of this Paper.

JUNIOR; 21; outdoor; London; 6 years' experience; good London references. Davies, 319 Romford Road, Forest Gate, E.

MANAGER; single; Prescribing business preferred. W., Chemist and Surgeon-Dentist, 43 King Square, Goswell Road, E.C.

ENGAGEMENT wanted by Minor Student in good-class Dispensing business; highest references. Jones, 40 Falmouth Road, S.E.

COMPETENT qualified Locum, or permanent Manager; aged 46; disengaged shortly. Address, M. P. S., 20 Eton Road, Southsea.

BRANCH Manager; good all-round experience; energetic; best references; married; aged 29. "Map" (98/16), Office of this Paper.

MANAGER (qualified), with view to very early succession; Scotland preferred; highest references given. 82/12, Office of this Paper.

SMART young qualified Chemist, from West-end, as Manager; exceptional references. "Aurum," 25 Priory Park Road, Kilburn, N.W.

ASSISTANT; 24; outdoors; experienced; part or whole time; Stores preferred. "Cephas," 1 Wansey Street, Walworth Road, S.E.

ASSISTANT wants Locum until July Exam.; best London and Provincial experience. Williams, 9 Church Street, Maesteg, Glam.

LOCUM or Assistant; qualified; 24; highest references; disengaged; Manchester preferred. Sugden, c/o Mr. Dean, George Street, Halifax.

LOCUM or Permanency; 36; disengaged 14th; reliable and experienced; highest references. Edward, 83 Devonshire Road, Chiswick.

DISENGAGED; Dispenser, qualified, Counterman; trustworthy; abstainer; tall. Reply full particulars, "Radix," 39 Balham Hill, S.W.

PART-TIME: Chemist, Surgeon; morning, evening; 11 years' present situation; all-round experience. "Chemist," 84 Kingsdown Road, N.

ASSISTANT; 7½ years' first-class experience; Counterman and Dispenser; London; no Stores need apply. "Validol," 33 Thayer Street, W.

LOCUM; aged 29; thoroughly experienced; can take entire charge; best references; disengaged April 29. "Ready" (98/17), Office of this Paper.

MANAGER or Locum; qualified; North, South, East, and West experience; disengaged. Duncan, 13 Vine Road, Vicarage Lane, Stratford, E.

PART-TIME.—Minor Student; 22; in or out doors; South London preferred. Please state hours, &c., to W. H. Fowler, Brighton Lodge, Southborough.

JUNIOR (23); 5 ft. 5 in.; unqualified; disengaged May 7th; Nottingham or London preferred. Address "Apenta," Fulbeck House, New Barnet, N.

MINOR Student would like to hear of Part-time situation; time for study desirable. C., 16 Duncan Street, Slade Lane, Longsight, Manchester.

MANAGER or Senior; 25; qualified; view to succession or permanency; excellent references and experience. "Dispenser," Grove, Whitchurch, Salop.

JUNIOR or Dispenser: 8 years' London experience; good references; aged 23; unqualified; seaside or country. X., 3 Lavender Lock, Surrey Docks, S.E.

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LONDON.—Part-time wanted by Minor student; S.W. preferred; 6 years' experience; disengaged beginning of May. J. I. Thirde, 12 Rendezvous Street, Folkestone.

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BRANCH Manager or Assistant; good Prescriber; smart counterman; highest references; aged 29; married; Midlands preferred. "Avance," 97/10, Office of this Paper.

MANAGER, Assistant, or Locum; 30; married; good Extractor, Prescriber, and Dispenser; disengaged; highest references. "Ultim," Tancastell, Rhydyfelin, Aberystwyth.

A FRENCH Chemist's Assistant seeks a situation in England; good references; aged 28; indoors; will serve two mouths free of salary; Paris experience. Apply, Ovide Reumaux, 56 James Street, Cardiff.

AS Assistant, Manager, or Dispenser, in London or South of England; first-class experience; highest references; aged 31; height, 5 ft. 9 in.; at liberty April 12; outdoors preferred. "Radix," Herne Hill Pharmacy, London, S.E.

WHOLESALE.

LADY-DISPENSER or Wholesale; experienced; Hall certificate. 98/20, Office of this Paper.

JUNIOR; 19; Dry Counter or otherwise. X. Y., 6 Whittington Terrace, Wingfield Street, Peckham, S.E.

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ADVERTISER desires entering Wholesale business; excellent worker; disengaged soon. F., 37 Hornsey Rise, N.

CLERK desires re-engagement in Wholesale Drug office; aged 29; good experience and references. 87/33, Office of this Paper.

TRAVELLER: Chemist; good connection town, Midlands, and West of England; first-class experience. X. Y. Z., 39 Balham Hill, S.W.

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THE second edition of this popular work for young drug-gists has been considerably extended by the inclusion of algebra, euclid, French, and German in it. The extended pharmaceutical Preliminary examination, which comes into force after July. 1900, will be practically the same as the medical Preliminary. The Boards of Examiners are now considering what examinations should be recognised, as the Pharmaceutical Society has obtained power by by-law to drop its own examination. It will be some time before the Board's decision is known, but Mr. Dodds, the author of the "Guide," treats the new subjects liberally, and with the lucidity which experience of the more popular examinations can only ensure. The Latin, English, and arithmetic chapters are based upon the papers given in the Pharmaceutical Preliminary examination, and therefore the information is of immediate use. Under algebra the requirements of the Oxford Local examinations are described, text-books are named, and a series of test-papers set and worked out. Euclid is treated on similar lines. Under French, the papers set by the Examiners of the College of Preceptors and the Educational Institute of Scotland, as well as those in the Oxford and Cambridge examinations, are fully referred to, advice given in regard to books and preparation, and a series of six test-papers are set, which enable the author to give the student good counsel in regard to answering. The same method is followed under German. In an appendix, which it is our intention to keep up to date, the regulations of the College of Preceptors and Educational Institute of Scotland are given, with the questions set at Christmas, 1898, and September, 1898; also regulations and advice concerning the London University Matriculation examination, Oxford Local examination, and Cambridge Local examination.

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Woolley, J., Sons & Co. (Lim.), Manchester
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A lever dipping-machine on wheels, with double drainer complete, in good condition; photo. Ranson, Market Rasen, Lincs.

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r. Williams' pink pills, 16 doz, unopened, 2½*s*. 8*d*. per doz., post free; cash with order. Harries' Drug Stores, Milford Haven.

Overstocked.—9 doz. Zome'a perfumes, 3*d*.; 12 doz. ditto, 2*d*.; 11 doz. Itsem dyes, assorted colours; all in good condition; what offers cash? Cornhill, Chemist, Walsall.

Two 4*s*. 6*d*. beef peptonolds; 2 1*s*. Field's stamp-ink; 1*s*. toilet sanitas; 1*s*. Judson's bronzonetto; 1*s*. Dun's copaiba; 3*s*. Denoual's Peruvian mixture capsules; half face-valve. Warren, Finedon, Northants.

SHARES.

100 Seigel ordinary £1 fully-paid shares, paying 10 % since April, 1897; price 15*s*. 3*d*. each. 85/16, Office of this Paper.

MISCELLANEOUS.

Ipscombe old style filters, 2 5-pints, 2 1½-pint; what offers? Fowler, Redhill.

Gamwal £1 share, what offers? printing-press, with type, &c., cost £3 10*s*., price £2 5*s*, or exchange counter-case. Lee, Chemist, Derby.

Lever printing-press, metal type, chase, composing-stick, blocks, ink and roller, useful and complete; Bentley's "Botany," 1887; Attfield's "Chemistry," 11th edit.; Wills' dried specimens B.P. plants; what offers? Jones, 268 Waterloo Road, Hightown, Manchester.

SHOP FITTINGS.

For sale, Stokes's cash-till, good as new, 30*s*. Bithrey, High Street, Bedford.

Pair specie-jars, 21 in., gilt covers, price 13*s*. Langham, 72 Exeter Street, Salisbury.

Disposal.—3 nests drawers, mahogany-top counter, glass counter-case. 59 East Road, N.

Three 6-gall. carboys, cut stoppers, pear-shape, 30*s*. the lot. Scanlan, 436 Borough Road, Birkenhead.

Pair handsome specie-jars, royal arms, 27 in., as good as new, £2 10*s*. Green & Co., Chemists, Swindon.

For sale, cheap, National cash-register till, condition as new, beautifully embossed and silver-plated. 93/21, Office of this Paper.

A handsome 20-in. globe-lamp for sale, ruby glass, richly gilded, perfectly new, with bracket complete, £3 10*s*., worth nearly double. Humphrey, 121 Charing Cross Road, London.

4-ft. tall upright mahogany plate-glass counter-case, mirror back, almost new; Treble's bent tooth-brush case; Treble's bent case, Maw's fig. 1A; nest 45 drawers, 45*s*.; 5 ft. 6 in. dispensing-screen, £2 2*s*.; 13 ft. mahogany-top counter, with return; lot shop-jars, half-price; 2 doz. 1-gallon black store-bottles, cheap; 4-ft. combined bent and upright mahogany plate-glass counter-case, very handsome; lot specie-jars, cigar-cases, and other cases, &c., &c. State wants, Griffin, Chemist, Kidderminster.

WANTED.

"Pear's Annual" for 1897. Apply, Palmer, Diss.

Two 9-gallon carboys and blocks; check-till. Fowler, Chemist, Redhill.

"The Chemist and Druggist" for April 17, 1897. H. W., Office of this Paper.

Microscope and accessories, triple objective, 40*s*. Low, 14 Union Street, Kingston, Surrey.

Old electric lamps and scrap platinum. P. Rowsell, 9 Derwent Grove, East Dulwich, London.

Camwal share or shares. State lowest price, not including transfer, 89/33, Office of this Paper.

One pair pear-shaped and 1 pair cylindrical carboys. Lowest price and particulars to Hucklebridge, 116 Ebury Street, S.W.

"The Chemist and Druggist," October 31, November 7 and 14, 1896, also July 2 to September 25, 1897, both inclusive. Grindley & Co., 54 Parliament Street, S.W.

PERSONAL.

James Hill, formerly chemist-assistant, Portland Road, London, requested beneficially send address to James Grant, Kelly's Library, Shaftesbury Avenue, London.

Will anyone kindly oblige Coatsworth & Co., 57 Old Town, Clapham, London, with the address of David Watkins? for some years resident dispenser at London Hospital.

Anyone knowing the present address of Mr. P. Stoneham (late of Ashmore Road, Paddington), who takes locum work, will greatly oblige by forwarding same to Hudson, Chemist, Sheerness, Kent.

The address of Mr. and Mrs. T. P. Greene, who reside at the different health-resorts in the country for a few months at a time; if any reader is supplying the above with medicines, I shall be glad if he will communicate present address. 95/24, Office of this Paper.

Telephone: 2144, Avenue.
Telegraphic Address: "Zimmermann London."

FORMALIN HYGIENIC CO. LIMITED.

TRADE F S H MARK.

Sole licensees and manufacturers for Great Britain, the Colonies, and China and Japan of

SCHERING'S

FORMALIN 40%,
FORMALIN SOLUTION,
ALFORMANT LAMPS,
FORMALIN TABLETS,
GLUTOL (Dr. SCHLEICH),
etc., etc.

9/10 *ST. MARY-AT-HILL,*
LONDON, E.C.,
April 8th, 1899.

IMPORTANT NOTICE.

We wish to draw the attention of our friends to the fact that the word FORMALIN is a registered trade mark which may only be used as a label on original packages sold by, or under the licence of, this Company.

We are aware that some doubt has existed in the Trade as to this, but it is only right that the proprietary claims to this word should be asserted in the most positive manner.

It is further necessary, for the protection of our friends, to call their attention to the fact that this Company has acquired, and is determined to act upon, the proprietary rights of the use of **Formicaldehyde, Formaldehyde,** also called **Formol** and other fancy names, protected by fifteen Patents, and including the use of Schering's Pure Formicaldehyde sold by this Company under the trade mark **Formalin,** for **Disinfection, Preservation** of organic liquids and substances, and the stay of **putrefaction** and fermentation of same, as also the **hardening** of **gelatinous** and **albuminous substances.**

It has been the anxiety of this Company to protect the interests of the distributing trades on the one hand, and at the same time to keep the costs of the processes as low as possible, so as to combine with far greater efficiency also greater economy, and this should enable us to reckon all the more upon the co-operation of the distributing trades in the protection of the Company's rights and privileges.

Any assistance on the part of our friends as to the detection of infringements will be particularly appreciated, and acted upon in the common interest.

For the FORMALIN HYGIENIC COMPANY, Limited,

T. DONALD WATSON, *Secretary.*

Printed by Spottiswoode & Co., New-street Square; and Published at the Office, 42 Cannon Street, in the City of London.—*April* 15, 1899.

H. E. STEVENSON & CO.

Manufacturing Chemists,

(Successors to the General Drug Business of Fletcher, Fletcher & Stevenson),

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AWARDS—London, 1881; Vienna, 1883; Calcutta, 1884; Chicago, 1893.

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(***The most economical form of importing Spirit of Nitre.***)

One volume diluted with seven volumes of Rectified Spirit forms Sp. Ether Nit. P.B., 1898.

We guarantee the above Liquor to contain 16 per cent. of Ethyl Nitrite when it is sent out from our Factory, and specially stoppered bottles, made expressly for this product, are used to ensure this "Liquor" arriving out safely.

1-lb. bottles, 5/- **56 × 1 lbs., in bond, 4/- lb., C.I.F. any port.**

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(TRADE MARK.)

This is a new Phenol derivative, which we can strongly recommend, forming, when diluted with water, an opalescent milky solution, distinguished from Carbolic Acid, inasmuch as it is not caustic.

1/4 per Gal. **200 Gals., 1/2** **500 Gals. ,1/- per Gal.**

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When required, we can quote C.I.F. any port in the World, including all packages; and buyers would do well to apply for our special C.I.F. rates for any articles in which they are much interested.

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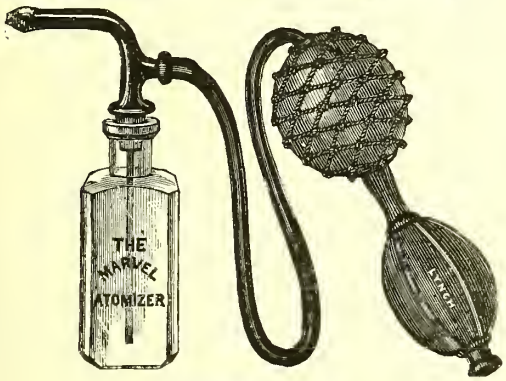

14/6 per doz.

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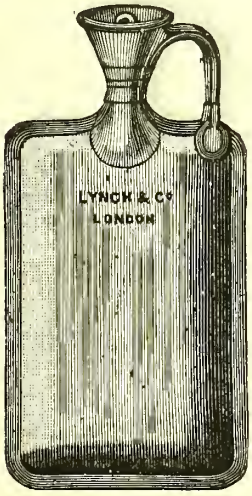

6 × 12 each	—	3/11	10 × 12 each	—	5/6
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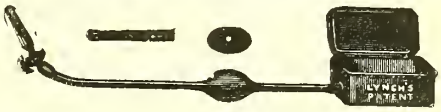
LESS USUAL DISCOUNT.

We would suggest to intending buyers to send for a sample bottle and compare quality and price before laying in stock for the coming season.

PATENT SAFETY ENEMA.

60/- doz., less Discount.



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The above illustration represents an Enema which is arranged so that the box will form the reservoir for the fluid to be injected. By being used in this way any possibility of injecting air is avoided, owing to the fact that the suction end of Enema is screwed into bottom of reservoir. It is light and portable, and most suitable for travelling. The Enema is made of the finest quality rubber in one continuous length, and will last for many years with ordinary usage; it is also fitted with our patent non-corrosive glass valves. The reservoir which forms the box is made of iron, enamelled inside and out.

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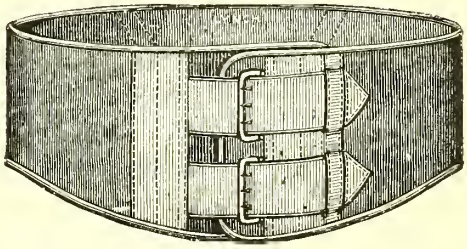

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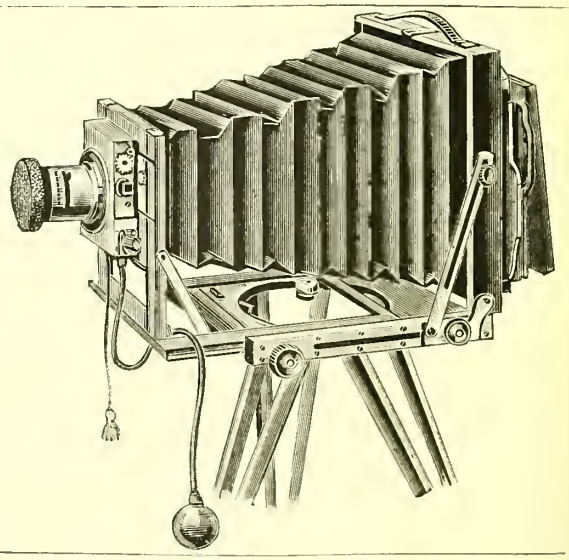

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Beaufoy & Co.

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Ingram & Royle, Lim.
Jewsbury & Brown
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Salutaris Water Co.
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(See SYPHONS and ESSENCES)
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Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.
White, Alfred, & Son

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Churchill, J. & A.
Muter's, Dr., Anal. Chem.
Squire's "Companion"

BOTTLES, POTS, &c.
Ayrton & Saunders
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Kilner Bros.
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York Glass Co., Lim.
Youldon, E.

BUTTER COLOUR, &c.
Allison, Johnson & Foster, Lim.
Crawshaw, E., & Co

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Denoual, J.
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Lofthouse & Saltmer
Mason, C. E., & Co.
Warrick Bros.

CARBOLIC ACID
Calvert & Co.
Stevenson, H. E., & Co.

CARBONIC ACID GAS
Carbonic Acid Gas Co.

CARRIER TRICYCLES
Singer Cycle Co., Lim.

CASCARA SAGRADA
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferris & Co.
Galen Manufact'ing Co., Lim.
Harker, Stagg & Morgan
Parke, Davis & Co.

CASTOR OIL
Hull Oil Mfg Co., Lim.
Love, H. F., & Co.
United British Castor Oil Co., Lim.

CHALK, PRECIP.
Levermore, Aug., & Co.

CHECK TILLS
British Machine Co., Lim.
O'Brien, T.

CHEMICALS
Boehm, Fredk.
Boehringer, C. F., & Sohne
Brunner, Mond & Co., Lim.
Burgoyne, Burbidges & Co.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Goodall, Backhous & Co.
Howards & Sons (Pharm.
Lofthouse & Saltmer
Love, H. F., & Co.
Macfarlan, J. F., & Co.
May & Baker, Lim.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Smith, B. A., & Co.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Typke & King
Tyrer, T., & Co., Lim.
Voss, Walter, & Co.
Washington Chemical Co.
White, A., & Son

CHLORODYNE
Davenport (Browne's)

CHEST PROTECTORS
Liverpool Patent Lint Co.
Maw, S., Son & Thompson
Solport Bros.
Wood, Vincent

CHLORIDE OF LIME
Hebden, W. C.
Steele, J. C. & Co.

CHLOROFORM
Duncan, Flockhart & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

COCAINE-HYDRO.
Howards & Sons

COCA WINE
Burrough, J.
Evans, Lescher & Webb
French Hygienic Society
Holloway Wine Co., Lim.
Stephen Smith & Co., Lim. (Hall's)
Wilcox & Co., Lim.
Wright, Layman & Umney

COCOA & CHOCOLAT
Cadbury Bros.
Fry & Sons
Van Houten
Vi-Cocoa (Dr. Tibbles')

COD-LIVER OIL
Allen & Hanburys
Burroughs, Wellcome & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan
Kemp & Son
Lofthouse & Saltmer
Moller, Peter
Randall & Son
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Southall Bros. & Barclay
Stevenson, H. E., & Co.
Wilkinson & Simpson, Lim.
Wright, Layman & Umney

COLLAPSIBLE TUBES
Christy, T., & Co.
Marshalls Lim.
Vigo, Jules, et Cie.

COMP. MEDICINES
Allen & Hanburys
Burroughs, Wellcome & Co.
Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co
Wright, Layman & Umney

CONCENT. LIQUORS
Bass Bros. & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Robinson B.

CONFECTIONERY
Dunhill & Co.
Gibson & Sons
Gnest, T., & Co.
Hillabys, Lim.

CORKS
Ayrton & Saunders
Cork Co., Lim.
Ellis, W., & Co.
Ringrose & Cobb

CORN CURES
Gardner C. | Potter & Clarke
Solport Bros.

CRUSHED LINSEED
Momford, G. S.
Nell, R. & J.

DENTIFRICES, &c.
Beecham, T.
Beetham, T., & Son
Hovenden & Sons
Jewsbury & Brown
Mason, C. E., & Co.
Ollapearl Co.
Stevens, P. A.
Sutton, O., & Co.
Woods, W. (Areca Nut)

DENTISTRY
Barker, F. H.
Fentiman, A. G.
Fentiman, A. J., & Co.
Macdonalds, Lim.
Spencer & Son

DISINFECTANTS
Allison, Johnson & Foster, Lim.
Calvert, F. C., & Co.
Chinosol Hygienic Co., Lim.
Dusek Bros.
Fletcher Bros. & Co.
Formalin Hygienic Co., Lim.
Hebden, W. C.
Jeyes Sanitary Compounds Co.
Kay Bros., Lim.
Kthn, B. (Chinosol, Kresochline)
Mackey, Mackey & Co.
Major & Co., Lim.
May & Baker, Lim.
Sanitas Co., Lim.
Steele, J. C., & Co.
Tomlinson & Hayward
Tyrer, T., & Co., Lim.
United Alkali Co., Lim.

DOG MEDICINES, &c.
Lloyd, T. Howard, & Co.
Naldire's Dog Soap
Spratt's Patent, Lim.

DRUGGISTS' SUNDRS.
Ayrton & Saunders
Barclay & Sons, Lim.
Benjamin, H. S.
Bleasdale & Co., Lim.
Burge, Warren & Ridley
Cooper, V. M.
Dalley & Wilkinson
Dent, C. S., & Co.
Edgar's Croup Lotion, Lim.
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons, Lim.
Gillespie & Co.
Hovenden & Sons
Kay Bros., Lim.
"Leaf" Brand Hat Reviver
Lorimer & Moyes
Marshalls, Lim.
Maw, S., Son, & Thompson
May, Roberts & Co.
Newbery, F., & Sons
Parozone Co., Lim.
Quelch, H. C.
Roberts & Sheppey
Sanger & Sons | Schutze & Co.
Smith, John H., & Co.
Solport Bros.
Southall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent
Woolf, E.

DRUG GRINDERS
Allen, S., & Sons
Nell, R. & J., & Co., Lim.

DRUGS
Bleasdale & Co., Lim.
Lofthouse & Saltmer
Love, H. F., & Co.
Nell, R. & J., & Co., Lim. (and Spices)
Oppenheimer, Son & Co.
Stevenson, H. E., & Co.
Wyley's, Lim.

DYES
Crawshaw, E., & Co.
Itsem Household Dye Co.

EAU DE COLOGNE
Farina, J. M.
Sainsbury, S.
Van Oppen & Co.

EMBROCATION
Day & Sons
Elliman, Sons & Co.
Harvey & Co.
Post, A. M., Lim.
Sanitas Co., Lim.

ENEMAS
Barclay & Sons, Lim.
Evans, Sons & Co.
Lynch & Co. Lim.
Sanger & Son | Wood, Vincent
Woolley, J., Sons & Co., Lim.

ESSENCES
Allen & Hanburys, Lim.
Barnett & Foster
Burgoyne, Burbidges & Co
Bush, W. J., & Co.
Deighton & Smith
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
May & Baker, Lim
Newball & Mason
Stevenson & Howell
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Barnett & Foster
Bush, W. J., & Co.
Essential Oil Importers and Exporters, Lim
Evans, Sons & Co.
Jakson, J., & Co.
Jeancard, Gazan & Doumin
London Essence Co.
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Sachsse, E., & Co.
Sanitas Co., Lim.
Sozio & Andriolt
Spurway & Cie.
Stevenson, H. E., & Co.
Stevenson & Howell
Treatt, R. C. | Warrick Bros.
Wilkinsou & Simpson, Lim.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howerds & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Tyrer, T., & Co.
White, A., & Sons
Wright, Layman & Umney

EUCALYPTUS OIL
Drysdale, J. W., & Co.
Sanitas Co., Lim.
Sharland & Co.
Tasmanian Eucalyptus Oil Co

EXTRACT MEAT
Armour & Co. | Brand & Co.
Beaufoy & Co.
Liebig Co.

EXTRACTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim.
Burgoyne, Burbidges & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wilkinson & Simpson, Lim.
Wright, Layman & Umney

EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son

EXTRACTS, VEGTBLE.
Fromms Extract Co.

FEEDING BOTTLES
Barclay & Sons, Lim.
Evans, Sons & Co.
Gilbertson, H., & Sons
Hovenden & Sons
Kilner Bros.
Lynch & Co., Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Youldon, E.

FILTERS
Berkfeld Filter Co., Lim.
Mawson Filter Co.

FLY CATCHERS
Alabastine Co. (British), Lim.
Ford, Shapland & Co.
Marshalls, Lim.
Mather, W., Lim.
Smith, J. H., & Co.
Strong, Christy
Tunbridge & Wright

FOOD (Infants' & Invalids')
Allen & Hanburys
Besnes, F., & Co.
Benger's Food
Bleasdale & Co., Lim.
Bovril, Lim. | Brand & Co.
Burgoyne, Burbidges & Co.
Coombs Flour Co., Lim.
Freme Food Co.
Fromms Extract Co.
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Liebig Co.
Mellin's Food
Milk Wine Co., Lim.
Nestlé H.
Savory & Moore
Vi-Cocoa (Dr. Tibbles')

FOOD (for Plants)
Sharon Chemical Co., Lim.

GELATINES
Meggett, Saml., & Sons, Lim.

GLUE
Barclay & Sons, Lim.
Brauer, A.

GRANULAR PREP.
Bishop, A., & Sons
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard & Co.
Lofthouse & Saltmer
Tyrer, T., & Co., Lim.
Wright, Layman & Umney

GLYCERINE
Fink & Co.
Haller, G., & Co.
Price's Candle Co., Lim.

HAIR PREP.
Alexandre (Shadeine)
Brooks, Tom
Chesebrough Co.
Edwards & Co.
Hopgood's Hair Cream
Thiellay, E. H.

HERB BEER EXTS.
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Epps, J., & Co.
Leath & Ross
Munyon's Remedies
Watson & Wates

HYPOPHOSPHITES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Tyrer, T., & Co., Lim.

INHALERS
Krone & Sesemann
Lynch & Co., Lim
Munyon's H. H. R. Co.

INSECTICIDES
Bleasdale, Lim.
Fleming's Oil & Chemical Co. Lim.
Jackson, T.
Tunbridge & Wright

LAVENDER WATER
Jaksou, J., & Co.
Sainsbury, S.

LEMON PEEL, &c.
Southwell, C., & Co.

LIME JUICE, &c.
Idris & Co., Lim.

LINT
Burgoyne, Burbidges & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsome, C.
Robinson & Sons
Wood, Vincent

LIQUORICE
Dunhill & Co.
Evans, Gray & Hood ("Solazzi")
Evans, Sons & Co. (Savarini)
Hillabys, J.
Jeancard, Gazan & Doumin

LIQUORS
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co., Lim.
Stevenson, H. E., & Co.

LOOFAHS
Solport Bros.

LOZENGES
Allen & Hanburys
Denouai, J.
Gibson, R., & Sons (Manfrs.)
Guest, T., & Co., Lim.
Jackson, T.
Raimes & Co.
Warrick Bros.

LUNG PRESERVERS
Zimmer & Co.

MACHINERY
Beunett, Sons & Shears, Lim.
Bera, G.
Fox, Fultz & Co.
Gardner, W., & Sons
Hatrick, J. L., & Co., Lim.
Melin, C.
Newman, W. | Pindar, J. W.
Werner, Pfleiderer & Perkins, Lim.

MAGNESIA
American Magnesia Co.
Bishop, A., & Sons, Lim.
Bleasdale, W., & Co.
Henry, T. & W. (Calcined,
Lloyd, T. Howard, & Co.
Washington Chemical Co.

MALT EXTRACT, &c.
Allen & Hanburys
Burroughs, Wellcome & Co. (Kepler's)
Distilleries Co., Lim.
Hearon, Squire & Francis
Parke, Davis & Co.
Price's Patent Candle Co., Ld.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.

MARKING INKS
John Bond's Crystal Palace

MEDICINE CHESTS
Burroughs, Wellcome & Co.
Day, Son & Hewitt (Veterinary
Day & Sons (Veterinary)

MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co., Lim.

METH. SPIRIT, &c.
Boord & Son | Burrough, J.
Jones & Co. | Phillips, G., & Co

MICROSCOPES
Darton, F., & Co.
Ross, Lim.

MILK
Hawkesley T. (Sterilizer)
Nestlé, H. (Condensed)
Lumley, L., & Co. (Sterilised)

MORPHIA
Macfarlan, J. F., & Co.
Smith, T. & H. & Co.

OILS, VARNISHES
Calvert Bros. & Co.
Cooper & Co.
Pinchin, Johnson & Co.
Stern Bros. (White.)

OINTMENT BASES, &c.
Burroughs, Wellcome & Co. (Lanoline)
Chesebrough Co. (Vaseline)
Cooper & Co.
Lloyd, T. Howard, & Co.
Stevenson, H. E., & Co.
Thierry, A.

OXIDE OF ZINC
Hubbuck, T., & Son, Lim.
Stevenson, H. E., & Co.

PALATINOIDS
Oppenheimer, Son & Co., Lim.

PATENT AGENTS
Barker, Reginald W.
Chapman, J. C., & Co.

PATENT MEDCNS, &c.
Anglo-American Drug Co., Ld
Barclay & Sons, Lim.
Beecham, T. (Pills)
Benedictine Salve
Clarke's Blood Mixture
"Dalsy" Headache Powders
Edwards & Son
Evans, Lescher & Webb
Evans, Sons & Co.
Fenning (Powders)
Goodall, Backhouse & Co.
Gny's Tonic
Holloway (Pills and Oint.)
Hovenden & Sons
Lageman, C.
Lalor (Phosphodyne, &c.)
May, Roberts & Co.
Nicolay & Co.
Post, A. M., Lim.
Powell, Thomas, Lim.
Richards, J. M.
Thierry, A. (Balsam and Ointment)
Vogeler, Chas. A., Co.

PEPPERMINT OILS
Bush, W. J., & Co.
Jakson, J., & Co.
Ransom, W., & Son
Stevenson & Howell

PEPSIN, &c.
Armour & Co.
Burroughs, Wellcome & Co.
Cerebos Limited (Pepsalia)
Fairchild Bros. & Foster
Newbery, F., & Sons (Inginvin)
Parke, Davis & Co.
Stevenson, H. E., & Co.

PERFUMERY, FANCY SOAPS
Allen & Hanburys, Lim.
Ayrton & Saunders
Barclay & Sons, Lim.
Bleasdale, Lim.
Blondeau & Cie. | Boehm, F.
Brooks, Tom
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Bush, W. & J., & Co.
Carmichael, M. W.
Chesebrough Co.
Cook, E., & Co.
Corbyn, Stacey & Co.
Evans, Sons & Co.
Farina, J. M.
Gillespie, F., & Co.
Greeff, R. W., & Co.
Hovenden & Sons
Jakson, J., & Co. | Lanoline
London Essence Co.
Lynch & Co., Lim.
Marshall's, Lim.
Mason, C. E., & Co.
Newbery F., & Sons (Berdoes)
Pears, A & F., Lim.
Potter & Clarke (Sachets)
Roberts & Sheppey
Sainsbury, S.
Sanger, J., & Sons
Schutze, F., & Co. [Co., Lim.
Sharp Bros. Soap & Perfimery
Sinclair, Jas., & Son
Tidman & Son | Treatt, R. C.
Van Oppen & Co.
Vigo, Jules, & Co., Lim.
West, T. (Okell's Mona)
Wright, Layman & Umney

PEROX. OF HYDR.
May & Baker, Lim.
Robbins & Co.
Sanitas Co., Lim.
Tyrer, T., & Co., Lim

PESSARIES
Rendell, W.

PTRLEUM JELLY, &c.
Allen & Hanburys
Christy, T., & Co.
Dee Oil Co., Lim.
Haller, G., & Co.
Snowdon, Sons, & Co., Ld. (Jelly)
Stern Bros.

PILL MACHINES
Bennett, Sons & Shears
Pindar, J. W.

PLASTERS
Chesebrough M'f'g. Co.
De St. Dalmas, A.
Evans, Sons & Co.
Seabury & Johnson
Solport Bros. (Contr)
Timpson, J., & Co.

PHARM. PREPS.
Allen & Hanburys
Armour & Co. | Bass Bros.
Barron, Harveys & Co.
Boehm, Fredk.
Boehringer, C. F., & Sohns
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co
Davies, Gibbins & Co.
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Fairchild Bros. & Foster
Ferris & Co.
Fletcher, Fletcher & Co
Fortuna Hæmatogen
Hearon, Squire & Francis
Hewlett & Son
Hoffmann, La Roche & Co.
Howards & Sons
Lageman, C.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
Mackey, Mackey & Co.
Martindale, W.
May & Baker, Lim.
Oppenheimer, Son & Co.
Parke, Davis & Co.
Potter & Clarke
Smith, T. & H., & Co.
Smith, W. E., & Co.
Squire & Sons
Stern Bros.
Stevenson, H. E., & Co.
Tyrer, T., & Co.
"Vasogen"
White, Alfred, & Sons
Wilkinson & Simpson, Lim.
Willows, Francis, Butler Ayscough Thompson
Woolley, Sons & Co.
Wyleys Lim.

PHOTOGRAPHIC X RAY, &c.
Barclay & Sons, Lim.
Boehm, Fredk.
Burroughs, Wellcome & Co.
Butcher, W., & Son
Darton, F., & Co.
Edwards, T., & Co
Evans, Sons & Co.
Houghton, G., & Sons
Lockyer, J. E.
Lowe, B., & Co.
Mackey, Mackey & Co
Raphael, J., & Co.
Ross Lim.
Shew, J. F., & Co.
Thornton-Pickard Co., Lim.
Tyrer, T., & Co.
White, Alfred, & Sons
Woolley, J., Sons & Co.

PILLS, Coated, &c.
Allen & Hanburys, Lim
Beecham, Thomas
Bleasdale & Co., Lim.
Cox, Arthur H., & Co.
Davies, Gibbins & Co.
Davy, Hill & Son, Yates Hicks
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Hearon, Squire & Francis
Holloway, Professor
Kearsley, C. & G.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Powell, Thomas, Lim.
Scottish Sugar-coated Pill Co.
Scott's, Dr.
Wand, S. (Pearl Coated)
Warner, W. R., & Co. (Coate
Wyleys, Lim.

POLISHING
Benjamin, H. S.
Bradley & Bonrdas (Albatum)
Fordham, W. B., & Sons, Lim.
Oakey, J., & Sons, Lim.
Raimes & Co. (Stockton)

PRINTING
Blake & Mackenzi
Bowers Bros.
Corsan, J. R. (Glass)
Ford, Shapland & Co.
Gilbert & Rivington, Lim.
Harrison & Waide
Silverlock, H.
Thomas & Co.
Townsend, J.

QUININE
Boehringer, C. F., & Sohns
Howards & Sons
Imperial Quinine Co.
Smith, S., & Co. (Wine
Zimmer & Co.

RENNET
Duncan, Flockhart & Co.
Tomlinson & Hayward

RESPIRATORS
Solport Bros.

RUBBER STAMPS
Bond, J. (Crystal Palace)
Bichford, E. M.

SACCHARIN
Anglo Continental Chemical Works, Lim.
Saccharin Corporation, Lim.

SALICIN
Macfarlan & Co.
Smith, T. & H., & Co.

SAUCES, PICKLES
Goodall Backhouse & Co.

SEA SALT
Tidman & Son, Lim.

SEEDS
Macqueen, J.
Potter & Clarke

SCHOOLS, &c.
Central (Edinburgh)
Davis, F.
Glasgow and West of Scotland School (T. S. Barrie)
Glasgow School (J. Lothian)
Gordon's (Robt.) School
Lanrance, L. (Optical)
Leeds College of Pharmacy
Liverpool School
London College
London Hospital
Manchester Col. of Pharmacy
Metropolitan Col. of Pharmacy
National Dental Hospital
North of England School
Northern College of Pharmacy
Queensborough College
Royal Dispensary (Edinburgh)
South London School of Pharmacy, Lim.
Westminster College

SEIDLITZ POWDERS
Hora & Co. | May, Roberts & Co

SELTZOGENES
May, Roberts & Co.
Thessier, E.

SHAVING
Hovenden & Sons (Enxesis)
Lloyd, A., & Co. (A. S. Lloyd's Enxesis)

SHEEP DIP
Fletcher Bros. & Co.
Jeyes' Sanitary Compounds Co.
Sanitas Co., Lim.

SHOP FITTERS
Alstrom, C.
Ayrton & Saunders
Bowling & Govier
Bygrave, J. & W.
Ellison, F. E., & Co.
Evans, Sons & Co.
Josephs, Philip, & Son
Maw, S., Son & Thompson
Mitchell, A.
Parnall & Sons, Lim.
Treble, G., & Son
Yates, W. S.

SIZE
Meggett, S., & Sons, Lim.

SPECTACLES &c.
Anglo-American Optical Co., Lim.
Botwright & Grey
Darton, F., & Co.
Lanrance, L.
Raphael, J., & Co.
Worshipful Company of Spectacle Makers

SPONGES
Cohen, I. & M.
Cresswell Bros. & Schmits
Peterson, M., & Co.

SOAP
Allen & Hanburys, Lim.
Ayrton & Saunders
Beetham, T., & Son
Bronnley, H., & Co.
Calvert, F. C., & Co.
Cook, E., & Co.
Cooper & Co.
Crosfield, J., & Sons, Lim.
Gibbs, D. & W. (Medicated)
Hydroxene Co.
Jeyes' Sanitary Compounds Co.
Mackenzie's, Dr. (Arsenical)
Naldire's Dog Soap
Peacock's Ovaline Soap Co., Lim.
Pears, A. & F., Lim.
Sanitas Co., Lim.
Sharon Chemical Co., Lim.
Sharp Bros. Soap, &c., Co., Ld.
Sinclair, J., & Son
Tidman & Son
Vinolia Co., Lim.
Wright, Layman & Umney

STARCH
Hebden, W. C. (Gloss)

STERILIZERS
Aymard's Patent Milk Sterilizer Co.
Hawkesley, T.
Lumley, L., & Co.

STOPPERS
Austin & Co. (Sprinklers)
Auto-Measure Kemper
Barnett & Foster | Melin, C.
Patent Stopper, Box, and Stamping Co., Lim.
Stipendum Stopper Co., Lim.

SURGICAL
Bailey, W. H., & Son
Barclay & Sons, Lim.
Burgoyne, Burbidges & Co.
Domen Belts Co.
Eschmann Bros. & Walsh
Ferris & Co.
Galen Manufact'g Co., Lim.
Hatrick, J. L., & Co., Lim.
Haywood, J. H.
Krohne & Sesemann
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Macfarlan, J. F., & Co.
Manson, R.
Matto, Lim.
Maw, S., Son & Thompson
Oppenheimer, Son & Co., Lim.
Powell & Barstow
Quelch, H. C.
Robinson & Sons
Sanitary Wood Wool Co., Lim.
Schotze, F., & Co.
Wood, Vincent
Woodruff, T.

STOVES
Clark, S., & Co., Lim.

SUGAR
Macfie & Sons

SYPHONS
Barnett & Foster
British Syphon Co.
Chemists' Aerated and Mineral Waters Association, Lim.
Geraut, E., & Co.
Idris & Co., Lim.
Kilner Bros. | Melin, C.

SYRUPS
Beckett, W., Sons & Co.
Fletcher, Fletcher & Co. (Liquors)
Stevenson & Howell

TABLETS
Corsan, J. R. (Advertising)
Kahnemann & Krause
Lambert A., & Co.
Roberts & Sheppy

TEA
Thomas & Co.
Tower Tea, Lim.

TEETHING PADS
Barclay & Sons, Lim.
Marriott, E., & Co.

THERMOMETERS
Ayrton & Saunders
Bailey, W. H., & Son
Darton, F., & Co.
Pastorelli & Rapkin
Peroni, A.

TINCTURES
Evans, Sons & Co.
Hewlett, C. J., & Son
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Wyleys, Lim.

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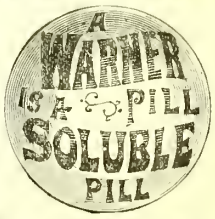

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An "all-round" Antibilious Pill, which has found favour wherever introduced, is "No. 120" ("Pil. Cathartic and Liver").

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Write for New Complete Price List of PILLS, GRANULES, and PARVULES, &c., at reduced quotations, by W. R. WARNER & CO., giving upwards of 300 Excellent Formulæ. (See also Newbery's Catalogue for 1893.)

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(Pharmaceutical Chemist, Medallist of the Pharmaceutical Society, &c.).

Assistants ... ... { **BERTRAM COCKBURN, Pharmaceutical Chemist.**
MARTIN MELDRUM, Kinninmont Gold Medallist.
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Preliminary Class Teachers ... { **WALTER BLYTHE, M.A.**
A. CAMPBELL LOW.

The Lecture Rooms, Chemical, Botanical, and Pharmaceutical Laboratories have been recently fitted up on the most modern principles, and are spacious, well lighted and ventilated.

The Principal would draw attention to the splendid equipment, the thoroughness of the tuition, and the phenomenal success of the Students at past Examinations.

Fifty Students have passed the Minor Examination during the past eighteen months, and the Kinninmont Gold Medal has been awarded two years in succession to Students of this School.

Major Examination.—Bertram Cockburn (first attempt).

Kinninmont Gold Medal.—1897—James Murdoch. 1898—Martin Meldrum.

At the APRIL MINOR EXAMINATION, held in Edinburgh, the following Students from this School were successful:—

GEORGE BANKS.
JOHN CUTHBERTSON BERRY.
JOHN SCOTT DAVIE.
ARTHUR GUTHRIE GLEN.
GEORGE GRIERSON.
ALEXANDER WILSON HENDRY.
JOHN HOYES MACINTYRE.
DAVID M'MILLAN.
MALCOLM NICHOLSON.
WILLIAM PARIS.
THOMAS THWAITES TOWNLEY.
JOHN THORBURN THOMSON.

Seventeen Students presented themselves, fourteen passed in the Practical portion; of these the above twelve passed in the Theoretical. Five passed at their first attempt.

FRESH COURSES OF LECTURES (DAY AND EVENING) BEGIN THIS WEEK.

Students are now being enrolled for Winter Session. Early application for Benches is necessary.

JOHN LOTHIAN, Principal.

THE WESTMINSTER COLLEGE OF CHEMISTRY & PHARMACY,

TRINITY SQUARE, BOROUGH, LONDON, S.E.

DISSOLUTION OF PARTNERSHIP.

Mr. G. S. V. WILLS begs to inform his friends, present and past Students, that he has purchased the College Buildings, Goodwill, and Mr. H. WOOTTON'S interest in the firm of WILLS & WOOTTON from June 30th of the present year, when the partnership will be dissolved.

The College will, therefore, be carried on as usual after that date by Mr. WILLS, assisted by a Competent Staff.

The whole of the Practical work will be under his direction and supervision, in which he will be assisted by Qualified Demonstrators.

Many alterations and improvements will be made for the comfort and convenience of the Students, and all Modern Apparatus and Appliances will be introduced.

The year will be divided into Three Sessions:—September 1st to December 31st; January 1st to April 10th; April 12th to July 20th.

FEES.—One Session, £10 10s.; Two Sessions, £16 16s. There will be no extras of any kind.

Students desirous of presenting themselves for the MINOR EXAMINATION in October are advised to enter College for an extra Special Short Course, which will commence on

Wednesday, August 2nd. Fee, £8 8s.

During the month of August the whole of the time will be devoted to Practical Chemistry and Pharmacy. From September 1st until the October Examination, Special Tutorial Classes will be held.

The Complete Course of Lectures and Classes for the JANUARY EXAMINATION will be commenced on

Friday, September 1st. Fee, £10 10s.

SPECIAL NOTICE.

This being **Mr. G. S. V. WILLS'S** Jubilee Year, **Inclusive Tickets until Qualified** will be issued from **July 1st** to **December 31st, 1899. Price £15 15s.** The tickets will be transferable, and may be used by the holder for any Session within **Five Years** from the date of issue.

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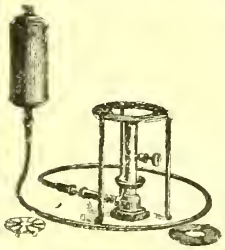

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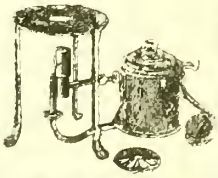

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Formerly Lecturer on Chemistry, Physics, and Botany at the Westminster College of Chemistry.

This College will be opened on AUGUST 2nd, 1899,

For the purpose of providing thorough and practical instruction in all branches of Science, especially for Students preparing for Pharmaceutical, Medical, and University Examinations.

The College Buildings include roomy and completely fitted Chemical, Pharmaceutical, and Physical Laboratories, Lecture Hall, Museum, and Class Rooms, lighted throughout by Electricity.

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Other large rooms are arranged as a Mechanical Laboratory, Special Demonstration Room, Students' Common Room, &c.

There is also a Metallurgical Laboratory, Library and Museum. The Waiting Rooms, Extraction Rooms, and Lecture Hall are on the ground floor. The building is lighted throughout by electricity. Each Student on entering the School passes through a preliminary course, under the care of a Demonstrator, and all the members of the Staff give special demonstrations, and take part in chair-side teaching. The Medical Tutors assist Students before each examination of the R.C.S.

An Entrance Exhibition of the value of £15 is open for competition at the commencement of each Summer and Winter Session. The fee for two years' Hospital practice and for all the lectures required by the curriculum of the Royal College of Surgeons of England is Forty Guineas, in two instalments of £21, or one payment of £40 on entrance.

A Calendar and all particulars on application.

SIDNEY SPOKES, Dean.

The Classes for the July and October examinations are at work; students intending to join should do so at once. Full and individual attention is given to each student, and the College is provided with every modern appliance for the study of the practical and theoretical work in the different branches of science which are necessary to the pharmacist of to-day.

Full particulars sent post free on application.

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Thoroughly revised, with many additions, is now ready, copy of which will be sent on application. We are prepared to supply these with Chemist's own name and address as usual. Early application is solicited, as we expect being out of print shortly.

You cannot do better than stock one of our ***"HANOVER" CAMERAS,*** especially the ***New Hand or Stand (Quarter-plate),*** as described on opposite page.

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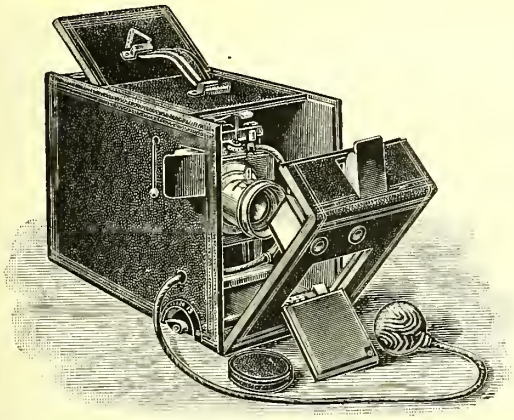

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	Extra Dark Slides	4 6

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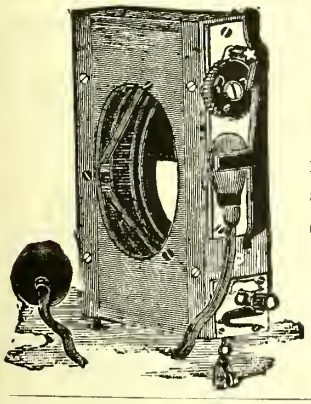

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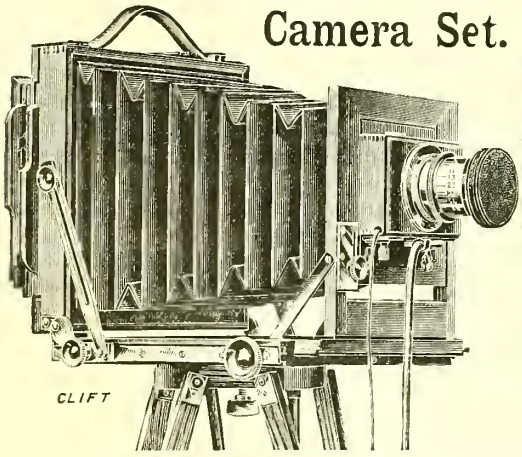

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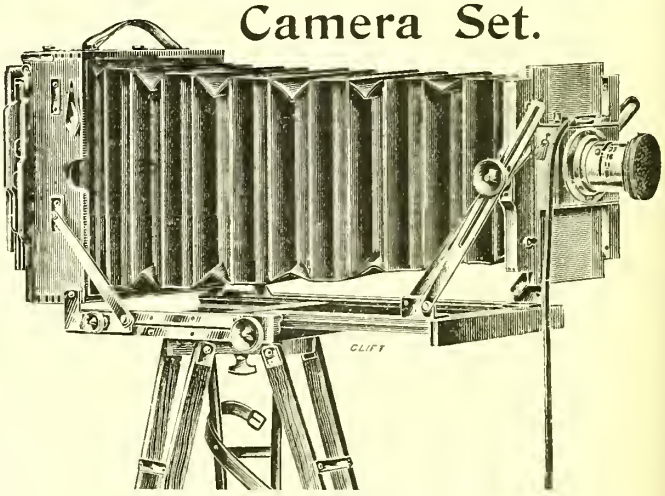

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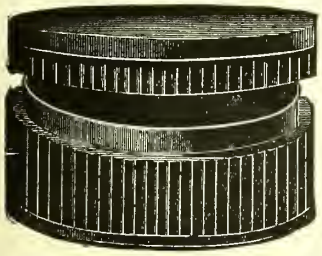

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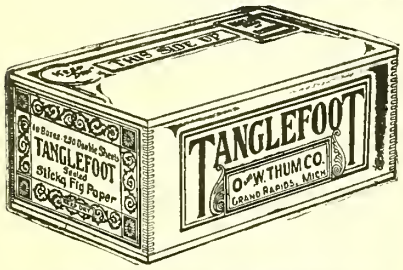
Sole Importers—**ALABASTINE CO.** (British) **LIM.**
CHURCH ST., SOUTH LAMBETH, LONDON, S.W.

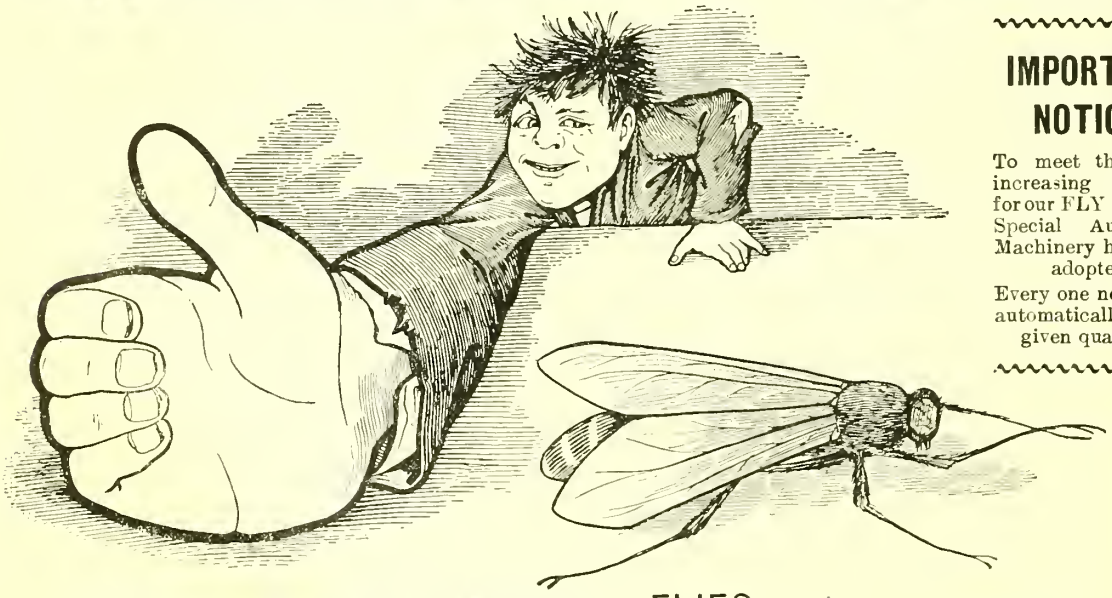


A Case of Tanglefoot, 15

N.B.—Chemists who supply Painters should send to us for Alabastine Price Lists and Tint Cards, descriptive of the merits and permanence of this world-renowned decorative material.

A Box of Tanglefoot, 1/8.

MARSHALLS' "REEL."



IMPORTANT NOTICE.

To meet the ever-increasing demand for our FLY REELS, Special Automatic Machinery has been adopted.

Every one now filled automatically with a given quantity.

CATCHES
SELLS
SHOWS

MORE

FLIES
READILY
PROFIT

— THAN —
STICKY PAPERS.

MARSHALLS' LTD., 27 RED LION SQUARE, LONDON, W.C.

THE GREAT AND MARVELLOUS

INSECT DESTROYER.

Entirely different from any other Beetle or Flea Powder.

"VIKO" will kill Cockroaches.
"VIKO" will kill Moths.
"VIKO" will kill Fleas.
"VIKO" will kill Bugs.
"VIKO" will kill Mosquitoes.
"VIKO" will kill Ants.
"VIKO" will kill all Insects.
"VIKO" will *not* kill Dogs.
"VIKO" will *not* kill Cats.

"VIKO" as a preventive against Moth is unrivalled. It has no equal. If sprinkled amongst Furs and Clothes instantly destroys any existing Insect Life, and ensures perfect freedom from a return of the pest.

Its effect upon Insect Life is simply marvellous.

REGISTERED.

Sold in 3d., 6d., & 1s. Tins.

SOLE PROPRIETORS—

TUNBRIDGE & WRIGHT, READING.

Manufacturers of the "World-Famed FLY CEMETERY."

TO PREVENT DISAPPOINTMENT, ORDER EARLY.

The World Famous Sticky Fly Paper.

'THE FLY CEMETERY'

FREE FROM POISON.

The Original and by far the Best Sticky Fly Paper in the Market.

Annual Sale—MILLIONS.

BEWARE OF THE MANY SPURIOUS IMITATIONS IN THE MARKET.

STOCK A FLY PAPER THAT WILL GIVE SATISFACTION TO YOUR CUSTOMERS.

Terms, &c., from

TUNBRIDGE & WRIGHT, READING.

North of England Depot—4 Gallowgate, Newcastle-on-Tyne.
French Agency—34 Rue St. Martin, Cognac.

IMPORTANT NOTICE.—If any of our customers have any over year's stock of our Fly Cemeteries on hand, we shall be pleased to exchange same for fresh goods free of cost.

TELEGRAMS—"FLIES READING."

Early man used to be able to wag his ears as an indication of pleasure or to brush away flies from under his back hair, but as the muscles were not brought into continual use they became rudimentary.

BUT THEY DID NOT KNOW OF

FLYODOOMO

IN THOSE DAYS ! ! !

JNO. H. SMITH & CO., NEWARK-ON-TRENT

What the Trade thinks about

"COBWEBS."

Unsolicited Testimonial.

Mr. J. P. FAST, Chemist, Walsall, wrote:

"Sept. 26th, 1898.

"Please send one gross 'Cobwebs' per return. P.O. 5/= enclosed. This makes my 20th gross this season. Before selling 'Cobwebs' my annual sale of sticky Fly Papers used to be about two gross."

"COBWEBS," 5/- per gross, carriage paid.

CASH MUST ACCOMPANY ORDER.
SAMPLES FREE.

Millions sold annually.

CHRISTY STRONG, READING.

IDRIS Royal Table Waters.

AS SUPPLIED TO THE QUEEN.

Sample Case Free to Chemists.

Handsome Advertisement Tablets and Circulars given to Customers.

SEND FOR PRICE LIST.

IDRIS & CO., Ltd.

Camden Town,

LONDON, N.W.

Branch Factories at

SOUTHAMPTON & LIVERPOOL.

Telegraphic Address—"SACARINO LONDON." Telephone No. 197, Bank.

The Saccharin Corporation, Ltd.

165 QUEEN VICTORIA STREET, LONDON, E.C.

Saccharin OF ALL STRENGTHS

Highest Possible Strength. 550 times sweeter than pure Cane Sugar. This strength is recommended in preference to any other.

Ordinary Strength.—330 times sweeter than pure Cane Sugar.

Soluble. 475 and 300 times sweeter than pure Cane Sugar.

Crystals.- 450 times sweeter than pure Cane Sugar.

Crystallose.—440 times sweeter than pure Cane Sugar.

The Saccharin Corporation, Limited, are the owners of All Patents for the United Kingdom and Colonies for the commercial manufacture of Saccharin, and their Saccharin is the only Saccharin that can be purchased without ***risk of legal proceedings*** or the necessity of ***any indemnity.***

FULLEST PARTICULARS ON APPLICATION TO

The Saccharin Corporation, Ltd.

165 QUEEN VICTORIA STREET, LONDON, E.C.

BEAUFOY'S
ACETIC ACID

30 per cent., 33 per cent. Brit. Pharm. 1898,
and all strengths up to Glacial.

PRICES QUOTED ON APPLICATION.

Established 1730. **SOUTH LAMBETH, LONDON, S.W.** Established 1730.

A. MILLAR & CO., LTD., DUBLIN.

PURE ORANGE WINE

(VINUM AURANTII, B.P.) prepared in strict accordance with the Formula of the British Pharmacopœia.

Do You Make Your Own Mineral Waters ?

If NOT you should, for a great many Chemists, Hospitals, &c., are using our simple and most effective Plant, and producing splendid Aërated Waters. Write for List.

RENTAL TERMS ON APPLICATION.

THE VOLCANIC AERATION CO., 203 Great College Street, LONDON, N.W.

A COMPLETE APPARATUS,
CAPABLE OF PRODUCING
OVER
300 DOZ. BOTTLES
of Aerated Water per day,
at a minimum of cost,
from
£20.

NO DANGER. NO MESS.

SODA-WATER MACHINERY
BOTTLES, SYPHONS,
AND ALL APPLIANCES FOR THE TRADE.

Write for
ILLUSTRATED CATALOGUE
Post Free upon Application.

BARNETT & FOSTER
NIAGARA WORKS,
26T EAGLE WHARF ROAD, LONDON, N.
10 Gold Medals. 45 Highest Awards.

NO BAD STOCK.

Original 6-doz. Case, £10 4s. 3% Discount off 6-case lots.

MARIANI WINE

SANTAL-MIDY CAPSULES.

Wholesale 33/- a doz. Retail, 3/6 per bottle.

FRANZ JOSEPH WATER.

Per doz. Large. 12/-. Small. 10/-. Original Case. 25 Large. 22/6. 50 Small. 35/-.

JOY'S ASTHMA CIGARETTES

2/6.

NATIVELLE'S XTALISED DIGITALINE

(GRANULES).

The above Specialities are being largely advertised, and inquiries are certain to be made for them. All Chemists are strongly recommended to keep them in stock. To **remove all risk, WILCOX & CO.** guarantee, in remote event of non-sale, to credit unsold goods if returned through Wholesale House in the usual way. (Franz Joseph Water can only be credited if purchased direct from W. & Co.)

WILCOX & CO., 83 MORTIMER ST., LONDON, W., Depôt for all **FRENCH AND GERMAN PROPRIETARY MEDICINES.**

St. Raphael Quinquina.

THE MOST WONDERFUL TONIC WINE IN THE WORLD.

The ST. RAPHAËL QUINQUINA has the largest sale of any similar Wine in France. For Loss of Appetite, Anæmic Conditions, and Nervous Depression, it is the most wonderful Tonic Wine ever submitted. Apart from its marvellous restorative properties, it is also a pleasant and agreeable Wine, and can be used as a beverage with Mineral Water

Show Cards, Handbills, and all Advertising Matter supplied free.

SOLE AGENTS:

BOWEN & McKECHNIE,

Cross Street, FINSBURY, E.C.

HOOKER'S MILK WINE.

VILNA Registered Trade Mark.

Of extreme util ty in cases of (Patented).

Dyspepsia, Anæmia, Debility, Tuberculosis, Phthisis, Insomnia, Heart Weakness, Typhoid and other Fevers, all Wasting Diseases, Mental and Physical Overwork, Loss of Appetite, &c.

A peptonised product of milk containing all the constituents of the original milk (except fat) in a completely digested form. It is of great medical value for use in the sick-room, for convalescents, for those suffering from dyspepsia, insomnia, nervous disorders, &c.

Its value consists in the fact that the whole of the casein or curd of the milk is present in the Wine in the form of peptones, which are capable of being absorbed into the system **without digestive effort.** Whilst possessing all the valuable properties of a highly peptonised milk it takes the form of a sound and palatable Wine, of great use in all febrile disorders and cases of acute illness where milk or milk and a stimulant is essential, and often difficult to administer. It is in fact a **powerful food stimulant** and tonic, and may be used successfully with benefit both in illness and convalescence. It is a most useful **appetiser** and aid to digestion under any circumstances, and especially for the weak and aged.

Many valuable testimonials have already been obtained from medical men and others who have tested and used the Wine.

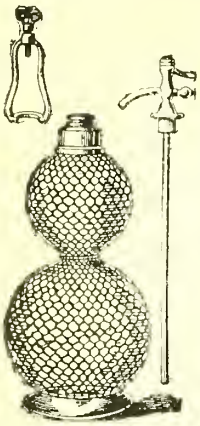
A Physician in Large Practice certifies:—"HOOKER'S MILK WINE is a valuable addition to the dietary of the sick-room, and I have found it a powerful restorative and stimulant, not only in severe illness, but also in cases of nervous exhaustion induced by overwork, study, and other causes. It has also been used with marked and surprising success where no other food could be taken, and I have been struck with its value as an appetiser when taken shortly before a meal."

Sold in Wine Quarts and Pints, 4/6 and 2/6 per bottle, through any Chemist, or from the Manufacturers:—

THE MILK WINE CO., LTD.

9 Arundel Street, STRAND, LONDON, W.C.

FREE SAMPLES to Medical Practitioners only will be sent on application. Included with each sample is a small bottle of Tannic Acid in Solution. A simple experiment will then immediately demonstrate the Milk Peptones present in the Wine.



ESTABLISHED HALF A CENTURY.
PRIZE MEDALS AWARDED AT ALL THE EXHIBITIONS.

SUPPORT ENGLISH MANUFACTURE.

EUGENE CÉRAUT & CO.'S LATEST

NEW PATENT SELTZOGENE

The Best Seltzogene Extant & Warranted.

Wear and Working Guaranteed. No more Screwing required. Tap cannot get corroded.

GREAT REDUCTION IN PRICE.

	Patent Wire.	Cane.
3-Pint..	11/-.....	12/-
5-Pint..	14/9.....	15/9
8-Pint..	22/6.....	25/-

Large Discounts allowed off for quantities.

SELTZOGENES & SYPHONS.

SYPHONS.

Best English Block Tin Tops and Ebonite Fittings, from 18/- per dozen.

HEADS of guaranteed quality.

VASES—Best Crystal and Colours.

PRICES ON APPLICATION.

CONTRACTORS TO HER MAJESTY'S GOVERNMENT

The Premier Manufacturers in the United Kingdom.

SOLE ADDRESS—
139 & 141 FARRINGDON RD., LONDON, E.C.

NEW CAPSULING MACHINE

The only Machine which leaves no crease or pleat on the Capsule.

Can be fixed to any Counter. A single pull of the lever is sufficient to fix the Capsule.

Patentee—C. MELIN, 37 Crutched Friars, LONDON, E.C.

IMPORTANT to CHEMISTS

A supply of Pure Water for Manufacturing Purposes is obtained from rain-water by using the

MAWSON CARBONIFEROUS SAND FILTER

THE GALOS FILTER WORKS, 137a Pilgrim Street, NEWCASTLE-ON-TYNE.

THOS. GUEST & CO.

Carruthers Street, MANCHESTER.

MAKERS OF MEDICATED LOZENGES AND JUJUBES.

B.P., T.H. Ph., and General Proprietary Lozenges. Decorated Tin Cartons of 2 and 4 lbs. Linseed, Licorice and Chlorodyne—a Speciality. Finest Gum Jujubes and Pastilles—Glycerine and Black Currant, &c. Granular and all Effervescing Preparations. Boiled Sugars, Floral Tablets.

SEND FOR LIST, SAMPLES, AND COMPARE.

Telephone 235. Telegrams "GUESTO."

L'EAU D'OREZZA.

This remarkably fine Tonic Mineral Water issues from a spring 1,968 feet above sea level at Orezza, in the Island of Corsica.

It was known and used in France during the last century, but came prominently under the notice of the Medical Profession in that country in the year 1853 through a report published by the Academy of Medicine of Paris of an analysis by a renowned Professor of Chemistry, Dr. Poggiale, confirmed by Mons. Ossian Henri.

Since then the water has been extensively used in France and her Colonies and in Egypt and South America, as well as in Spain and other European countries, and is considered to be the best of all Mineral Waters in cases of Anæmia, Chlorosis, Leucorrhœa, and all diseases arising from impoverishment of the blood, and has been found of the utmost value in Gastralgia, Dyspepsia, and affections of the Liver and Spleen caused by residence in tropical climates, and in Debility after long illness, and in Intermittent Fever.

It is certified to contain :—

IRON, Carbonate and Protoxide.	**MAGNESIUM, Carbonate.**	**POTASSIUM, Chloride.**
SODIUM, Carbonate.	**CALCIUM, Carbonate.**	**SODIUM, Chloride.**

Traces of Manganese and Arsenious Acid, and has sufficient "free" Carbonic Acid to cause it to effervesce on being poured into a tumbler.

It is the most palatable and digestible of all strong ferruginous waters, and with the addition of a little Lime Juice or Lemon Syrup makes a pleasant table beverage.

Wholesale Orders for France and her Colonies to be sent to :—3 RUE ROSSINI, PARIS,

And Orders for all other Countries to be sent to

MARK WHITWILL, SON & JUDGE,

6 ST. HELEN'S PLACE, LONDON.

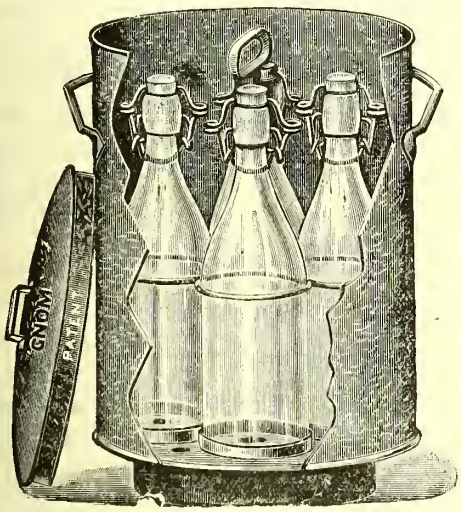
MILK IS DANGEROUS! UNLESS YOU STERILIZE IT.

Every Household should Use

THE "GNOM" PATENT

Domestic Sterilizer

The great feature of this patent process of sterilization is that immediately the milk is placed in the bottle the stopper is closed—even during the sterilizing process—and must never be opened until the milk is required for use, thus rendering sterilization practically automatic. This is achieved by the patent stopper, the spring of which rises to release the pressure during sterilization, and automatically closes immediately the pressure is relieved.



GOODNESS or TASTE of the Milk.

Process so simple that anyone can carry it out.

Of all Chemists, Ironmongers, &c.

WHOLESALE ONLY OF

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KINMOND'S

ROYAL LEAMINGTON

TABLE WATERS

Were first supplied to
H.M. the Queen in 1858, and to
H.R.H. the Prince of Wales in 1862.

UNRIVALLED for PURITY and QUALITY.

IN ORDINARY BOTTLES AND SYPHONS.

MANUFACTORY—

LEAMINGTON.

Send for Trade List and Compare Prices.

CAUTION!

"YORKSHIRE RELISH."

In the High Court of Justice
Chancery Division.

WILLIAM POWELL (trading as Goodall, Backhouse & Co.)
v.
MAY & CO.

NOTICE is hereby given that on the 24th day of February, 1899, the Hon. Mr. Justice Kekewich ordered that the Defendants their servants and agents be restrained until judgment in this Action or further order from in any manner using or applying the words "YORKSHIRE SAUCE" or "YORKSHIRE RELISH" as descriptive of or in connection with or in respect of any Sauce or Relish manufactured by them or not manufactured by the Plaintiff without clearly distinguishing such Sauce or Relish from the Sauce or Relish of the Plaintiff And from describing any such Sauce or Relish as aforesaid as "THE ORIGINAL YORKSHIRE" SAUCE OR RELISH and from selling or offering or exposing or advertising for sale or procuring to be sold any such Sauce or Relish as aforesaid under labels or wrappers or enclosures or otherwise to be calculated to represent or lead to the belief that such Sauce or Relish is the Sauce or Relish of the Plaintiff and from selling or supplying any such Sauce or Relish as aforesaid in response to orders for "YORKSHIRE RELISH" or for the Sauce or Relish of the Plaintiff and from in any manner aforesaid or in any other manner passing off or enabling or assisting others to pass off any such Sauce or Relish as aforesaid as or for the Sauce or Relish of the Plaintiff.

Dated this 9th day of March, 1899.

J. Seymour Salaman,
65 & 66 Chancery Lane, London,
Solicitor for
Messrs. Goodall, Backhouse & Co.,
Leeds, Yorkshire.

"FROMMS"

Food Specialities.

For Price Lists, Show Cards, &c., apply to

FROMMS EXTRACT CO., LTD.

5 WHITE STREET, MOORFIELDS, E.C.

LEMON SQUASH
AND
LIME JUICE CORDIAL
(Filtered Bright).

Reputed Pint Square White Glass Stoppered Bottles	.. 3 9	per doz.
Do. Quart " " " "	.. 6 6	"
Do. do. " Green Glass " "	.. 5 9	"
Do. Pint Round Bottles	.. 3 6	"
Do. Quart " "	.. 5 9	"

IN BULK 1/6 PER GALLON. BOTTLES EXTRA.
Plain Labels if desired.

For 6 dozen Quarts in one delivery	6d.	per doz. less
For 12 dozen Pints do. do.	3d.	"

Delivery free in London.

SAMPLES ON APPLICATION

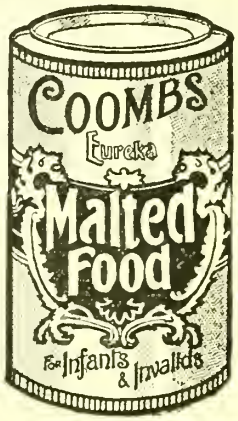
CHAS. SOUTHWELL & CO.
Wholesale Confectioners, DOCKHEAD, S.E.

IT WILL PAY YOU TO PUSH
COOMBS'
MALTED FOOD
for Infants and Invalids.

AWARDS.

2

GOLD MEDALS.



Recommended by the Medical Faculty and Leading Analysts.

See Drs. Goodfellow's and Granville H. Sharpe's Reports.

Bears a good profit, and is only supplied to those who agree to sell at full advertised prices.

TERMS ON APPLICATION.

COOMBS' "EUREKA" AERATED FLOUR CO., LTD.
Lenton Boulevard, Nottingham, & 8 & 8a Farringdon Road, London, E.C.

DR TIBBLES' Vi-Cocoa

"Undoubted Purity and Strength."—*Medical Magazine.*

"In the front rank of really Valuable Foods."—*Lancet.*

PERFECTLY PURE BUT NOT INSIPID

FAVOURED BY THE HOMES AND HOSPITALS OF GREAT BRITAIN.

CAFÉ ZYLAK

PEPTONISED MILK AND COFFEE

(Concentrated).

This new preparation of Coffee with Peptonised Milk supplies a largely felt want in the case of Invalids and delicate people. It is a most valuable addition to the condensed peptonised milk foods which have met with such complete approval from the Medical Profession.

PEPTONISED MILK (Concentrated). | **PEPTONISED COCOA AND MILK** (Concentrated).

All the above preparations are sold in tins at **1s. 6d.** and **2s. 6d.**, and are obtainable everywhere

SAVORY & MOORE, 143 NEW BOND STREET, LONDON.

Chemists to the Queen and H.R.H. the Prince of Wales.

TEE-TO-TUM TEAS

ARE OF

EXCEPTIONAL VALUE.

PRICES—

11d., 1/1, 1/4, 1/6, 1/8, 1/10, 2/- per lb.

In ¼-lb., ½-lb. and 1-lb. Packets, and 5, 7, or 10 lb. Tins.

AGENTS APPOINTED.

WRITE FOR TERMS TO

OTTO THOMAS, LIMITED, Proprietors of TEE-TO-TUM TEAS,

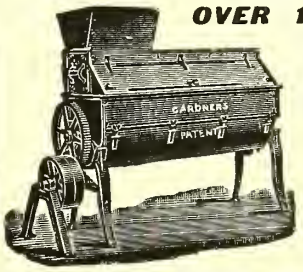
Head Offices and Duty-paid Stores,

27 & 28 WHITECHAPEL ROAD, LONDON, E.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS

OVER 1,100 **working in Almost Every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.**



FOR HAND OR POWER.

From 50/- to £90.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.

DRUGGISTS' CONFECTIONERY.

ROBERT GIBSON & SONS, LIMITED,

Medicated Lozenge Manufacturers,

CARLTON WORKS, Erskine St., Hulme, MANCHESTER, ENGLAND.
And 1 Glasshouse Yard, Aldersgate St., London, E.C.

We have pleasure in drawing the attention of the Trade to our new, beautifully enamelled 1-gross Tins for Sugar, Chocolate, and Gingerbread Worm Cakes, These are really a very attractive Tin, and we think will considerably help our friends to increase their sale for these goods. When next ordering please specify "1-Gross Enamelled Tin."

PRICE LIST ON APPLICATION.

THE MOST ECONOMIC, CONVENIENT, & PORTABLE FORM OF SOUP.

LAZENBY'S SOUP SQUARES

(MULLIGATAWNY, GRAVY, JULIENNE, ETC.)

ONE 6D. SQUARE

WILL MAKE A PINT & A HALF OF STRONG NUTRITIOUS SOUP

Prepared by E. LAZENBY & SON, Ltd 18, Trinity St., LONDON, S.E.

SOLD BY GROCERS, STORES, ETC.

'THE BUSY MOTHER INFANTS' FOOD'

A TRUE and COMPLETE FOOD for Infants and Invalids, in which all requisite **nutrient properties** are so blended as to be partially **self-digestive,** thus imparting the **MAXIMUM** of nourishment to the system, at a **MINIMUM** of digestive effort.

"A PERFECT FOOD."
Dr. A. B. Griffiths, F.R.S. (Edin.), F.C.S

SOLD IN 1-lb. TINS AT 1/- EACH.

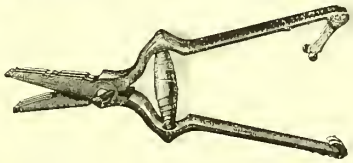
WHOLESALE—1 dozen, **8/6**; 3 dozen, **24/-**; 1 gross, **84/-**. BULK, **45/-** cwt. net, Carriage Paid. Cash or references from new customers.

BLEASDALE, LIMITED, YORK.

CARRIER'S ARTIFICIAL MASTICATOR

Highly recommended by the Medical Profession.

A BOON TO ELDERLY PEOPLE.



INVALUABLE IN THE CHILDREN'S NURSERY.

Price 12/6, Nickel Plated.

Sole Agents: **S. MAW, SON & THOMPSON,** 7-12 Aldersgate St., **LONDON, E.C.**

"LAIT Larola" Regd

A Delightful SKIN TONIC as well as an EMOLLIENT.

COOLING and REFRESHING.

BEST WHOLESALE TERMS direct to the RETAIL TRADE.

BEETHAM'S	Retail. s.	Retail. d.	Per Doz. s.	Per Doz. d.
LAIT LAROLA		6	5	0
" "	1	0	10	0
" "	1	9	18	0
" "	2	6	25	0
" LAROLA TOILET POWDER	1	0	10	0
" " "	2	6	25	0
" LAROLA ROSE BLOOM	1	0	10	0
" " "	1	6	15	0
" " "	2	6	25	0
" LAROLA TOILET SOAP (3 Cakes in Box)	1	6	15	0
" LAROLA DENTIFRICE	1	0	10	0
" "	2	6	25	0

For £2 Lots, 20 per cent. discount CASH, on receipt of Invoice.

Carriage Not Paid.

BEETHAM'S NEW TOILET MILK

IS AN

IMPROVED PREPARATION

— of their Celebrated —

GLYCERINE AND CUCUMBER.

IT HAS NO EQUAL FOR KEEPING

THE SKIN SOFT, SMOOTH AND WHITE,

AT ALL SEASONS, AND

REMOVES AND PREVENTS ALL ROUGHNESS, REDNESS, TAN, CHAPS, IRRITATION, ETC.

N.B.—BEETHAM'S GLYCERINE and CUCUMBER is still supplied as usual.

M. BEETHAM & SONS, Chemists, CHELTENHAM.

CORBYN, STACEY & CO., LTD.

Wholesale and Export Druggists, Analytical Chemists.

MANUFACTURERS OF ALL PHARMACEUTICAL PREPARATIONS.

Offices: 22 GREAT ST. HELENS, E.C. Laboratories and Drug Warehouses: 300 HIGH HOLBORN, 61 and 62 EAGLE STREET, and 7 and 8 FISHER STREET, LONDON, W.C.

DRUG AND ILLUSTRATED PERFUME LIST ON APPLICATION.

CORBYN'S Natural Perfumes

Are specially manufactured by C., S. & Co., Ltd., by the most recent and approved process from the finest raw products imported direct from the South of France, and are superior for richness and delicacy of odour to any yet introduced into this country.

In Bulk or in highly Attractive Cases.

Also in Special Quarter-pound Bottles, containing five fluid ounces of Triple Extracts, and labelled with Fancy Coloured French-style label, and sealed with Gold Monogram.

POT POURRI.

Fancy Gold Caskets, in Fancy Leatherette Cases, filled with Pot Pourri. Good selling line.

GRECIAN BOUQUET.

This favourite and lasting Perfume is especially recommended as commanding a ready sale.

EAU DE COLOGNE, LAVENDER WATER, TOILET WATERS, SPRAYS, ETC.

Developments of Tatcho.

TATCHOLINE.

SPECIALLY RECOMMENDED FOR LADIES.

IS THE NON-GREASY COMPANION OF TATCHO.

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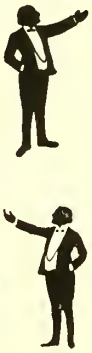

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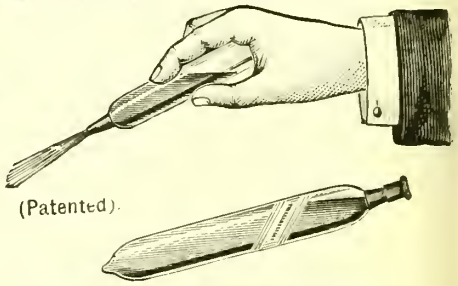

(Patented).

See references in the Winter Number of The Chemist and Druggist, January 28th, to the Editorial Notices in

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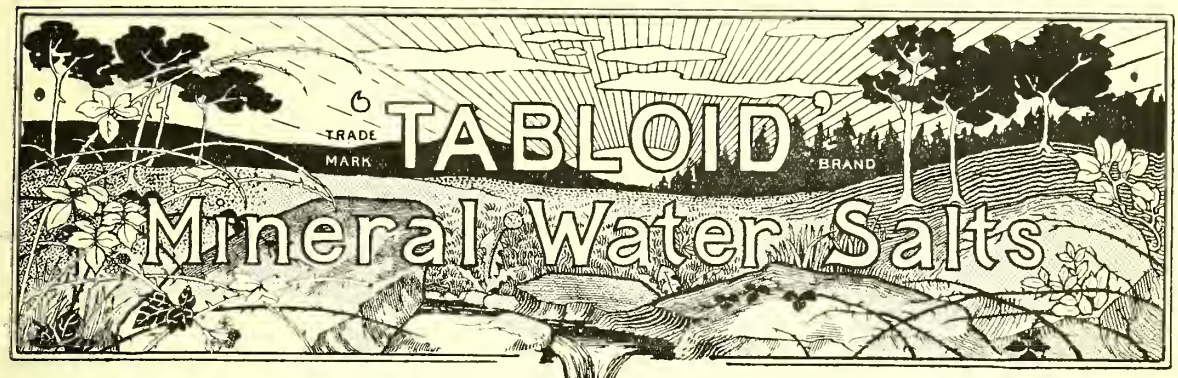

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The Chemist and Druggist is the official organ of the following fourteen Pharmaceutical Societies and Associations in the British Empire:—

Pharmaceutical Society of Ireland.
Chemists' and Druggists' Society of Ireland.
Irish Pharmaceutical Assistants' Association
Pharmaceutical Society of Cape Colony
South African Pharmaceutical Association.
Pharmaceutical Society of Natal.
Pharmaceutical Society of the South African Republic.
Central Pharmaceutical Association of N.Z.
Otago Pharmaceutical Association, N.Z.
Pharmaceutical Society of N.S. Wales.
Pharmaceutical Society of Queensland.
Pharmaceutical Society of South Australia.
Pharmaceutical Society of Tasmania
Pharmaceutical Society of Western Australia.

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COLONIAL TRADE.

If there is one thing more certain than another regarding the future export trade of the United Kingdom, it is that the population of our Empire beyond the seas will be our best customers. The national statistics prove that the imperialistic spirit maintains it, and it behoves manufacturers and merchants to encourage it. The encouragement of colonial trade has been one of The Chemist and Druggist's strong points from the outset. Through our annual Colonial Issue we give an exceptional opportunity for advertisers to increase their business with the colonies. This issue will be on April 29, and, in addition to those who receive it weekly, it will be sent to all buyers of druggists' goods in India, Burmah, Straits Settlements, South Africa, China, Japan, and the West Indies. The publisher will give any inquirer information regarding this important issue.

Summary.

A Guinea for a postcard is offered on p. 591.

Further Particulars of the Fanyau fit-remedy are given on p. 586.

A New Test for Cocaine is described by Dr. Schaefer, of New York (p. 591).

Three new limited-company pharmacy businesses have been registered (p. 613).

A Cancer-microbe has been found by Dr. Bra, of Paris and is described on p. 603.

Mr. Henry Tebb, the Cape Town manager of Lennon (Limited), is dead (p. 591).

The Preliminary Examination Questions set this week are printed on p. 596.

The Medical Journals are worse than lukewarm about the Pharmacy Bill (p. 601).

The Opium Market is rather excited this week, especially in Smyrna (p. 618).

Mr. T. Maben, one of the Scotch pharmaceutical examiners, has resigned (p. 593).

The Board of Trade returns for March show increased exports and decreased imports (p. 617).

The Lofoten Cod-fishing is now closing, and fishing has commenced at Finnmarken with poor results (p. 618).

Poisons Regulations have been discussed by Dublin pharmacists, the President of their Society leading (p. 599)

The Castner-Kellner Patent Case has been decided by the Court of Appeal against the Castner-Kellner Company (p 612).

The Pharmaceutical Examinations in England during 1898 are reported on by Dr. Thomas Stevenson, the Privy Council's visitor (p. 592).

In Cape Colony joint-stock companies must pay 1*s.* per 100*l.* on their paid-up capital. This applies equally to companies outside the colony who trade there (p. 602).

Provincial Pharmaceutical Associations are unanimous in condemning the Lord Chancellor's Pharmacy Bill, and there is promise of an organised opposition (p. 607).

A Chemist's Assistant gave ung. hyd. nit. for ringworm on a child's face. It produced a scar, and a jury in the High Court have awarded 5*l.* damages in respect to this against the employer (p. 609).

Quinine-makers have lowered their prices, much to the astonishment of the trade, and some of themselves. This is the most important trade event this week, but we report drug, spice, and other auctions (p. 616).

The Pharmaceutical Society sued an unqualified assistant at Hanley for selling medicines containing poisons, but the evidence showed that they were sold under the supervision of the qualified proprietor, and a verdict was given for the defendant (p. 609).

The Oil of Juniper case is over. After interesting evidence from several prominent wholesalers to the effect that the B.P. is wrong in its description, the Magistrate found that the oil is a drug, and fined the defendant a guinea for selling an adulterated oil (p 611).

The Seven retiring Pharmaceutical Councillors have accepted nomination for another period of office. Messrs. Campkin, Druce, Glyn-Jones, Morrison (of Tring), Smith (of Liverpool), and Wright (of London) also seek election (p. 592). The views and portraits of the first three will be found on p. 604.

The Pharmaceutical Council (G B) had a good meeting on Wednesday. All are indignant at the Lord Chancellor, and so are many provincial Associations who urge the Council to activity (p. 592). The Irish Council do not quite know what they can do with the Lord Chancellor, as his Bill does not apply to Ireland (p. 597), but the President opposes the *C. & D.* suggestion (p. 599).

B—C

Students' Corner.

Conducted by Richard J. Moss, F.I.C., F.C.S.

THE report of the March competition, which also completes the tournament which has been in progress during the past six months, is ready, but space will not permit its publication in full this week. It will be desirable, too, before announcing the tournament figures, to have them carefully checked.

Qualitative Analysis.

The subject of the next exercise in qualitative analysis will be a mixture of not more than three salts. The mixture of salts is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by *a stamped and addressed envelope*, not a stamp merely) will be received up to Wednesday, April 19, and the samples will be forwarded immediately.

Students' reports will be received up to Saturday, April 29. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

English News.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

The Royal College of Science.

The plans of the elevation of the Royal College of Science, South Kensington, as designed by Mr. Aston Webb, A.R.A., show that the completed building will be one of the most striking edifices in London. The present College in Exhibition Road is to be vacated, and the school transferred to the new buildings in Imperial Institute Road when completed. The design of the new College will have some of the architectural features of the Imperial Institute, and will have a similar entrance to the latter exactly opposite the Institute entrance. A library will be placed in the centre, the physical department at one side of it and the chemical department at the other. The chemical side will include a general laboratory 80 feet square, and numerous smaller laboratories for special subjects and research. The details regarding these are now being arranged by Mr. Aston Webb in association with the Professors of the College. The Queen is to lay the foundation-stone on May 17.

The Hodgkins Medal.

At a meeting of the Royal Institution on Tuesday, the Duke of Northumberland, as President, announced that the Hodgkins medal, which is the first gold award for scientific work ever given by the Smithsonian Institution, had been allotted to Professor Dewar, in recognition of his discoveries in the liquefaction of air. His Grace congratulated Professor Dewar on this honour conferred on him, and on the Royal Institution, with which he was associated.

Chemists' Assistants' Union.

We are asked to state that the headquarters of this Union have, through the courtesy of Messrs. Glendenning & Co., makers of beef-and-malt wine, been transferred to 67 Shaftesbury Avenue, W.C. Members are requested to send in at once their present addresses, and all communications in connection with the Union should be sent to the Secretary at that address.

The A. & H. Pharmacy-works.

At a meeting of the Ware Urban District Council, on April 8, a communication was read from Messrs. Allen & Hanburys (Limited), Plough Court, E.C., intimating that it was their intention to considerably enlarge their establishment at Ware, where the manufacture of their patent foods and other specialities is carried on. The additions, it was stated, would cover from 120 to 140 feet of ground, and the firm asked the Council to lay an adequate drain in connection with their works. The matter was deferred for further consideration.

Drug-contracts.

In addition to those previously mentioned, the following contracts have been settled:—

Barnstaple.—Mr. J. J. Tremeer (for cod-liver oil at 5*s.* 4*d.* per gal.); Mr. S. Goss (for quinine at 2*s* 2*d.* per oz.).

Bethnal Green.—Messrs. Walker, Troke & Co. for drugs; Messrs. Maw, Son & Thompson for druggists' sundries.

Thame.—Mr. H. W. G. Morris for disinfectants, soap, and oils.

Wine-licence.

Mr. Llewelyn Davies, chemist and druggist, 3 Bridge Terrace, Enfield Wash, has been granted a wine-dealer's licence.

Brother-chemist to the Rescue.

On Good Friday, as Mr. S. Bishop, chemist, Southampton, was walking along the Chilworth Road, he discovered a cyclist lying unconscious, with his machine smashed up beside him. Mr. Bishop rendered all the assistance he could, and, with the help of another gentleman who was passing, the cyclist was conveyed to the infirmary, where his injuries were attended to. The injured gentleman proved to be Mr. C. H. Wilkins, chemist, St. Denys, and he is now on the way to recovery.

The Fit-remedy.

At Southport, on April 11, the adjourned inquest on the death of a wood-carver named Ellis was resumed. At the preliminary proceedings (see *C. & D.*, March 11, page 427) it was stated that deceased had been taking Dr. Oscar Fanyan's remedy for epilepsy for some time before his death, and the inquest was adjourned in order that an analysis of the medicine might be made. Mr. A. S. Wehner, the London agent for Fanyau's remedy, was present, and was represented by Mr. W. H. Watson. The Coroner (Mr. S. Brighouse) asked if there was such a person as Dr. Fanyau in existence, and was told by Mr. Wehner that Dr. Fanyau was in France. The evidence of the widow of deceased having been repeated, deceased's father deposed to the evident improvement in health which had resulted from deceased taking Fanyau's medicine. The Coroner then read a letter from Dr. J. C. Campbell Brown, the county analyst, in which the writer stated that the medicine was a strong solution of potassium bromide. Deceased had been taking 150 gr. or more of bromide in a day. That was very excessive. There was a trace of arsenic and small quantities of other substances in the bottles of medicine, but these were of no consequence. The diuretic tea (which was taken in conjunction with the remedy) was chopped flowers, leaves, and stems of a great number of things which could hardly be identified. He did not think the tea was of significance in the case. Dr. Maule, who had attended deceased, said he considered the bromide had a good deal to do with the death. He did not think anyone could safely treat epilepsy with bromide of potassium without having the patient under personal supervision. Under proper treatment the man might have lived a few years. Dr. Stanley K. Smith, of Liverpool, who stated that he had great experience in the treatment of epileptics, said potassium bromide should not be administered except under the personal supervision of a medical man. In his opinion the bromide had a lot to do with death. It was not scientific treatment to bale out doses of bromide in that way, and, unfortunately, the potassium very often failed to cure epilepsy at all.

By Mr. Watson: He had given under his personal supervision 5 dr. of bromide a day, or 300 gr. He had seen 6 dr. quoted as the maximum dose.

The Coroner, in summing up, said the patent medicine pamphlet stated that that remedy was the only scientific

and positive treatment for the cure of epilepsy. That statement was untrue, and he was astonished that the Legislature should permit the sale of a dangerous drug in the guise of a patent medicine. He was convinced that thousands of credulous people must be continually pouring stuff down their throats which did them harm. The jury after deliberation returned a verdict that deceased died from coma, accelerated by over-doses of bromide of potassium, sold and administered to him by Dr. Oscar Fanyau & Co; they urged that Oscar Fanyau & Co. ought not to be permitted to sell that drug as a fit-remedy; they strongly condemned that firm for the false statements contained in their pamphlets and letters; and they considered the Legislature should interfere for the protection of the public against the publication of such false statements, and to prevent the sale of that drug under conditions so dangerous to life.

The Coroner, addressing Mr. Watson, said he might also convey to his clients that the jury were quite prepared to send his clients to trial for manslaughter, only there was not sufficient evidence to warrant them doing so.

Toothbrushes for the Workhouse.

The Watford Guardians, who a short time ago provided perambulators for babies in the workhouse, have now turned their attention to the children's teeth. At a meeting on April 12 a committee reported that they had ordered 4 doz. toothbrushes.

Poisoned by Mistake.

At the Lambeth Coroner's Court, on April 5, an inquest was held on the death of a woman named Powell, who drank carbolic acid in mistake for a medicine she was taking for a heart-affection. Evidence was given by a son of deceased, who stated that the bottles containing the medicine and the carbolic acid were similar in every respect, and the contents were the same colour. The carbolic acid was in a medicine-bottle with no label on it, and had been purchased at an oilshop. A charwoman who had obtained the carbolic acid said she was served by a boy at the oilshop, and no label was put on the bottle. A juror wanted to know if it was usual for oilmen to sell poisons without labelling the bottles, and the Coroner (Mr. G. P. Wyatt) said that was the custom. If a ginger-beer or medicine bottle were taken they would put anything in it that was asked for. Dr. C. H. Dunstan, who gave evidence of death, was asked by a juror whether nothing could be done to prevent oilmen selling poisons in such a loose manner. The doctor could not say, but thought chemists ought to have the entire sale of poisons. Death from misadventure was the verdict.

On April 8, at Douglas (Isle of Man), four boys, under 10 years of age, while walking beside a stream discovered what they thought to be some radishes, which they pulled and ate. After proceeding about a mile towards home one of the lads fell in the roadway unconscious and frothing at the month. His companions ran home for assistance, and just as they got there another boy became unconscious. He was saved by prompt medical attention, but the first boy died from hemlock-poisoning without recovering consciousness.

At Ashton-under-Lyne, on April 7, an engine-fitter, named Donald, who was suffering from a cold, sent a messenger for a pennyworth of sweet nitre. The purchase was made at a small shopkeeper's, and on receiving the cup in which was the liquid Donald emptied the contents into some water and drank it. The stuff proved to be liquid ammonia, and Donald died half an hour later, before medical aid could be procured. At the inquest, held on April 10, the widow of the deceased man stated that deceased had no sense of smell, and would therefore be unable to distinguish the ammonia by its odour. The lad who went for the sweet nitre stated that Mrs. Joy, the shopkeeper from whom he obtained the stuff, brought him round a colourless liquid in a measure-glass, and poured it into the cup which he had taken with him. He was positive that he asked for sweet nitre. He did not know the smell of ammonia, nor the difference between it and sweet nitre. He further asserted that when going for the doctor he saw Mrs. Joy, who came hurrying to him and said, "What did you ask me for?" When he told her "sweet nitre," she said she had given him ammonia. Mrs. Joy, in her evidence, stated that she kept a general shop, and sold sweet nitre, ammonia, turpentine, and various other things of a like nature. She remembered the previous witness coming to her shop, but understood him to ask for ammonia. She measured out 1 oz. of ammonia, and poured it into the cup he had brought with him. She admitted seeing the youth in the street about a quarter of an hour afterwards, and inquiring of him what he had asked for. She did not know why she had done so. The jury said they did not believe Mrs. Joy's evidence, and severely censured her, and returned a verdict of death from misadventure.

The drill-instructor at Sheffield Royal Grammar School was, on April 9, found lying in a room near the school-laboratory almost unconscious. He was able to tell his wife before he died that he had taken poison—nitric acid, it is supposed. It is conjectured that, feeling ill, he had gone into the laboratory for something to ease him, and had taken the acid by mistake.

A Recipe for Brazing.

At Isle of Wight Petty Sessions, on April 8, Edward Hayward, who described himself as a chemist, was charged with disposing of a recipe for brazing by means of a false and fraudulent pretence. Prisoner induced a cycle-agent at Sandown to pay 3*s.* 6*d.* for a recipe for cold brazing, for which he at first asked 50*s.* On a trial being made, it was found that the ingredients, which included hydrofluoric acid, would not dissolve, and the preparation was useless. Another witness, to whom the recipe was shown, stated that he purchased the ingredients from Mr. Cory, chemist and druggist, Newport, and had mixed them as directed, but the experiment was a complete failure. Accused was committed for trial at the Quarter Sessions.

Runaway Horses and Pharmacies.

On April 5, a horse attached to a loaded van ran away in Bayswater, and dashed into the shop-window of Messrs. Shirley & Son, chemists, demolishing the entire front of their ground-floor premises in Pickering Place. All the contents of the window were destroyed, and the horse was shockingly injured.

The premises of Messrs. Gregory & Wrenn (Limited), chemists, at Bridge Street, Taunton, narrowly escaped damage on April 5. A horse, attached to a waggon, ran away, and was brought to a standstill by colliding with the iron blind-pole outside Messrs. Gregory & Wrenn's premises. The pole was snapped off at the socket, and one of the wheels of the waggon becoming detached prevented damage being done to the shop-front.

A Fall in Chimneys.

During the gale on April 8 a chimney, 112 feet high, at the Weston Chemical-works of the United Alkali Company, Runcorn, which was in an exposed position, was blown down, and is now a mass of ruins. Fortunately the chimney fell on vacant land, and no further injury was done.

Fires.

Some light goods in the window of the shop of Mr. F. A. Triggs, who carries on a chemist's business at 360 High Street, Stratford, caught fire one evening last week, but the flames were subdued before any serious damage was done.

A laboratory at 101 George Street, Camberwell, occupied by the London Essence Company, was, on April 10, ignited through some spirit vapour coming in contact with a flame. Considerable damage was caused before the flames were overcome.

An outbreak of fire occurred on April 12 at the Royal College of Science, South Kensington Museum, Exhibition Road, S.W. Some inflammable liquid boiled over in one of the laboratories, but the blaze which resulted was quickly extinguished, and the mischief caused was quite trifling.

A more serious fire broke out on the same day at 85 Melbourne Grove, East Dulwich, S.E., upon the premises of Mr. J. T. Dales, dubbin-manufacturer. Some dubbin boiled over in a back building, which was used as a store, and this was entirely destroyed, while the front premises were very badly damaged.

On April 8 the extensive premises of Messrs. Tribe & Lamb, chemists and tea-dealers, High Street, Chatham, took

fire, and a large store was much injured, especially by the water thrown on it. The fire originated in the store-room from some unknown cause. The damage done has been estimated at nearly 1,000*l.*, and caused a total suspension of business for four or five days.

Annoying a Chemist.

At the Greenwich Police Court, on April 12, Paul Strange, chemist, 62 Brockley Rise, Honor Oak, was summoned by the police for discharging a revolver within fifty feet of the centre of the carriageway of Brockley Rise. Strange admitted to a policeman that he had fired two blank cartridges from his window, which he did to frighten some boys and young men in the district who had annoyed him. The defendant, in reply to the Magistrate, said he had brought the revolver. and also the missiles which had been thrown at his head on Monday night. He had been terribly upset during the past fortnight. On one occasion, for example, a "filthy fellow" about 17 years of age, went into his shop for Beecham's pills and smashed an egg on the glass case on the counter. He was much reduced in circumstances, and could not even afford to keep a servant, but had to do all his own work. Mr. D'Eyncourt adjourned the case, asking the police to make inquiries.

Irish News.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Pharmaceutical Society of Ireland.

Preliminary Examination.—The following have passed:—D. Henderson, W. H. Macauley, W. J. White, J. R. J. Turner, I. R. Mackey, W. J. Maxwell. Nineteen candidates have been rejected.

Contracts.

Messrs. Clarke, Belfast, were last week appointed drug-contractors to the Lismore Board of Guardians; and Messrs. Leslie & Co., Dublin, were appointed contractors for surgical appliances.

Messrs. Leslie & Co. have agreed to continue their contract with the Wexford Guardians at 10 per cent. off the L.G.B. prices, and the Guardians, who say the contract is a very favourable one, have accepted the offer.

Mr. P. N. White, M.P.S.I., Sligo, has been appointed drug-contractor to the Westport Board of Guardians; and Messrs. Costello, Sligo, for the supply of medical and surgical appliances.

Personal.

Dr. J. C. McWalter, M.P.S.I., has been chosen to represent the citizens of Dublin as a Guardian of the North City Ward.

Mr. James E. Brunker, L.P.S.I., Dublin, has been elected a member of the Select Vestry of the Mageough Church, Palmerston Park.

Sir Henry Cochrane, managing director of Messrs. Thacker & Hoffe, Dublin, has been elected a Poor-law Guardian for the East Ward, Bray.

Mr. Edward M. Hodgson, M.P.S.I., director of Hamilton, Long & Co. (Limited), Dublin, has been elected a member of the Select Vestry of Zion Church, Rathgar.

Mr. Thomas W. Robinson, J.P., M.P.S.I., Kingstown, has been returned at the head of the poll as representative of the East Ward of the Township Poor-law Board.

Mr. Clay, solicitor to the Pharmaceutical Society, has been elected by a majority of two votes over Mr. W. A. Maxwell, L.P.S.I., to represent Dalkey at the County Council.

The members of the Cork Dispensary Committee passed a resolution of thanks to Mr. McSwiney, L.P.S.I., their apothecary, for the faithful and efficient manner he has discharged his duties.

Mr. J. S. Ashe, M.P.S.I., has been appointed by Sir George Duffey as assistant-demonstrator in materia medica and pharmacy to the Royal College of Physicians and Surgeons in Ireland.

Examination Hall Injured.

On Monday evening a fire broke out in the Examination Hall of the Pharmaceutical Society of Ireland, Lower Mount Street, Dublin. It is supposed that a lighted match thrown on the floor smouldered unnoticed, so that when a porter entered the room later on he found the place filled with smoke and some of the woodwork of the windows charred. A few buckets of water prevented the danger spreading, and avoided what might have been a serious conflagration.

The Pharmaceutical Society's Circular.

At a meeting of the Kingstown Urban District Council, held on April 10, the Pharmaceutical Society's circular-letter was dealt with. The Chairman (Mr. T. W. Robinson, L.P.S.I.) said, as far as he could see, the aim of the Pharmaceutical Society was really to prevent capital from being used for the purposes of the Pharmacy Act. The Society had absolutely opposed a company of which he was a member (Messrs. Hayes, Conyngham & Robinson, Limited), and had brought them to the Queen's Bench, but they were completely routed. The Society had now gone to the Lord Chancellor of England, and the Lord Chancellor had actually introduced a Bill within the last fortnight to do the very thing they wished him not to do. Such a thing as the Society proposed would not be sustained in Parliament. He (the Chairman) did not know what action the Council wished to take, or whether they would care to express any opinion. Mr. McCullagh said they were well qualified through their Chairman to give an opinion. The communication was eventually marked "read."

Irish Pharmacists' Assistants' Association.

The annual dinner of this Association was held on the 5th inst., in the Gresham Hotel, Dublin. Mr. Henry Hunt, M.P.S.I. (President), occupied the chair, and to the right and left respectively were Mr. T. W. Robinson and Dr. J. C. McWalter. After dinner the Chairman proposed the toast of "The Pharmaceutical Society," and coupled therewith the name of Mr. T. W. Robinson, ex-Vice-President of that Society, who, he said, had been a staunch friend of the Assistants' Association since its inception four years ago. He understood the Society was interested in the higher education of pharmacists, and in that connection he was gratified to observe that it did not shut its eyes to the existence of the Assistants' Association as a useful auxiliary in raising the status of pharmacy. Mr. Downes had many difficult duties to perform as head of the Society, and had the happy knack of doing them with a maximum of success and a minimum of friction. Mr. Robinson, the honorary Vice-President of their Association, had done the members a great honour in coming amongst them.

Mr. Robinson, in acknowledging the toast, deplored the absence of the President of the Pharmaceutical Society, than whom no one was more on the alert for the good of pharmacy and its followers. The present was an unrestful time for all. He observed they were threatened with a new Bill which vitally affected their interests. It behoved every pharmacist with grit and energy to fight against it, and if they let the measure pass for want of making timely protest it would be an everlasting reproach.

The toast of "The Medical Profession" was responded to by Dr. McWalter, who spoke of the cordial relations that existed between pharmacists and physicians in Dublin. He regretted the tendency nowadays to exalt the commercial side of pharmacy at the expense of its higher branches. There was talk in the air about making new University degrees, and it would be wise of the Pharmaceutical Society to keep on the alert and endeavour to force its claim to academic recognition in respect of the degrees of Bachelor and Doctor of Pharmacy. Referring to the Lord Chancellor's Bill, he said he had reason to believe that a limited-liability company was in course of formation in Dublin for the practice of medicine and surgery. Individually it would be futile to protest against legislative measures, but unity begat strength.

The toasts of "Our Visitors" and "The Trade Press" followed, the latter toast being coupled with the name of The Chemist and Druggist, London.

Music was contributed during the evening by Messrs. Turner, Williams, and McWalter, and Mr. Farquhar gave recitations.

Scotch News.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Edinburgh District Chemists' Golf Club.

The spring holiday competition will be held at North Berwick on Monday, April 17, when the Gibson handicap medal, captain's, and club prizes will be played for. Train leaves Waverley Station at 7 A.M. Those who cannot come by this train may do so by the 9 5. Members of the clnb who intend going are requested to inform the Secretary (Mr. W. Charles Baker) at once.

A Junior Association for Glasgow.

At a representative meeting of the chemists' assistants of Glasgow, held on Wednesday evening, Mr. Gilmour in the chair, a proposal was discussed and carried to start an assistants' association in the city nnder the title of Glasgow Chemists' and Druggists' Association. The Chairman spoke of the advantages of union and social intercourse amongst assistants, and was followed by Mr. Taylor, who outlined the scheme upon which it was proposed to work. Mr. J. Rutherford Hill, of Edinburgh, in a neat and effective speech on the advantages of assistants' associations, instanced the Edinburgh Association as an example of success and utility, and said that the men now prominent in Edinburgh pharmacy had gained their knowledge of affairs and much of their intimacy with pharmaceutical problems in the Jnnior Association there. The following were the office-bearers appointed:—President, Mr. Gilmour (Crosshill); Vice-President, Mr. Adam; Secretary, Mr. Nicholson, 88 Paisley Road, W.; with a committee of twelve and treasurer and assistant-secretary.

The Edinburgh District Chemists' Trade Association.

A meeting of this Association was held at Edinburgh on Wednesday, Mr. David McLaren president, in the chair. The meeting was a private one to discuss the Lord Chancellor's Pharmacy Bill. Mr. C. F. Henry opened the discussion, and after a free expression of opinion, the following resolution was unanimously adopted.

That this Association, in the first place, resolves to secure the withdrawal or rejection of the Lord Chancellor's Bill, and to this end resolves to petition the more prominent members of the Government and the House of Lords.

It was remitted to the committee with powers to carry out this resolution. Another resolution was also unanimously adopted.

"Further, the Association remits to a special committee the draft proposals for a Pharmacy Acts Amendment Bill to be submitted to a meeting of the Association, and thereafter to the Council and other parties interested.

The chairman, vice-chairman, and secretary, and Messrs. Bowman and Macpherson were appointed a special committee to carry ont this resolution.

Mr. Glass directed attention to the objectionable circular issned with Beecham's Pills to which attention had been drawn by the Forfarshire Association. The Chairman suggested that the matter should be remitted to the committee to take any action that might be considered expedient, and this was agreed to.

It was also agreed that the next annnal excursion of the Association should be on June 14 by train to Perth, and from there to drive to the Carse of Gowrie and back.

"Here's some pills, Murty, that Mrs. Hogan was afther sindin' over for yez. She says dey'll aither kill or cure yez." "Begorra, did she say which dey would do foorst?"—*Puck.*

The Prognosis in Alopecia.—A dermatologist began a paper on alopecia as follows:—"Faith is usnally pictured as a maiden clinging convulsively to the rock of ages. I think a more impressive representation would be that of a bald-headed patient rubbing vigorously into his scalp the remedy prescribed by the bald-headed specialist in skin-diseases."—*Medical News.*

French News.

(From our Paris Correspondent.)

"A First Offender."—M. Grignon, of the rue Duphot, who died a week ago, was, I believe, one of the first pharmacists to attract the public by offering a small reduction on the marked price of patents.

The Gigantic Telescope for the coming Paris exhibition is approaching completion, and promises to be one of the great attractions here next year. It is 70 yards long, and the diameter is 2 yards. Steel is used for the telescope proper, and the eight supports are made of cast iron. The entire weight is 21 tons. There are two lenses, one being for pnrposes of photography.

British Trade in Paris.—The British Chamber of Commerce here has been informed by the Director-General of Customs that in fnture firms whose declarations are challenged shall be at liberty to produce before experts their invoices and certificates of origin. The Chamber calls the special attention of British exporters to the new regulation, which is intended to remedy the hardships resulting from experts having to decide only from an examination of samples.

Politician-chemists. — M. Grimaux, ex-professor of chemistry at the Ecole Polytechniqne, and M. Duclaux, Director of the Pasteur Institute, Paris, both being Vice-Presidents of the Rights of Man Defence Leagne, are to appear before the Paris Magistrates next week on the charge of forming part of an illegal society. The principal offence appears to be that the committee of which they formed part have protested against the prosecutions of some of their members as being contrary to existing laws regarding the equality and liberty of citizens.

Which is the Best Cod-liver Oil?—Professor Armand Gantier still holds to his idea that it is alkaloids in cod-liver oil which make it nutritive. In a recent letter he says that virgin oil of a slightly green colonr obtained at the fishing-places does not contain the alkaloids which stimulate nutrition. The very pale oil cannot be recommended—the Madeira-coloured oils are the best; and in reply to the criticism that the livers mnst be allowed to decompose before snch oil is obtained, he replies that the initial decomposition of the livers, during which the cells disgorge the oily contents, is a diastasic phenomenon not in the nature of pntrefaction.

Another Anti-cutting Scheme.—M. Fiévet, who was one of the promoters of the pharmacists' co-operative company for the mannfacture of iodine, is President of the organising committee of a new ventnre. The object is to form a company, with French pharmacists as shareholders, for the purpose of buying up the rights of the principal patent medicines in this country, and to sell snch patents only to pharmacists who will agree to an anti-cutting scheme. The suggested name of the new venture is "Les Grandes Marques Françaises," but the initial capital will only be equal to 20,000*l.*, which would certainly not cover one year's income of all the leading French patent medicines. Still another company is announced, having for its object to trade in pharmaceutical specialities and mineral waters, with a capital of 1,000,000f. (40,000*l.*).

A Faith-healer.—The diploma of Dr. Edwards, who has lately commenced giving consultations in Paris, is of transatlantic origin. Despising alike medicaments, instrnments, and operations, the blind, the rheumatic, the paralytic, the asthmatic, and, in fact, all who suffer are subjected to the same rapid, simple, and inexpensive treatment. A few questions diagnose their malady through an interpreter, which gives an additional zest to the consultation, a few magnetic passes on the spot affected, and the consultation is over. The doctor informs reporters that he has been induced by a supernatural force to thus place himself at the disposal of suffering humanity since his 21st year. He has now attained a respectable age, and shows, as an outward and visible sign of his spiritual powers, a slight deformity, which bears a curious resemblance to the feet and hands on the orthodox crucifix, and which he accounts for by the piety and religious fervour of his maternal ancestor.

South African News.

(From our Correspondents.)

Hannah Acquitted. — At Maritzburg, on March 17, Thomas Hannah, the chemist who was charged with defrauding his creditors, was acquitted.

New Medical Practitioners.—The Medical Board of Cape Colony have granted licences to the following gradnates from the Old Country:—James Jardine, M.B., M.S. Glasg. 1882; Edwin Richards Holmes, M.B., M.S. Edin. 1894, formerly of Shifnal, Salop; and Andrew Hallidie Smith Hallidie, M.B., B.S. Cam. 1891, and F.R.C.S., formerly of West Street, Finsbury Circus, E.C.

New Enterprises. — The Transvaal Government has granted concessions to two firms to erect match-factories, on condition that a protective duty be imposed on matches imported into the State; also for a soap-factory, on condition that a duty of 8*s.* 4*d.* per 100 lbs. shall be levied on imported soaps. The Government in the last case is to receive 5 per cent. of the net profits. In Natal a match-factory has also been started, and another is being organised in Cape Town.

Consumption in South Africa.—Dr. E. F. B. Wilson, a Trinity College, Dublin, graduate now in Harrismith, O.F.S., in a paper read before the South African Medical Congress, said that Dr. Ransome, of Newcastle, states that the Bedonins of the Red Sea, who enjoy a climate in many respects similar to our own, are nsually exempt from pulmonary consumption, but suffer when they exchange their tents for stone houses. In South Africa the white man is deserting the veld for the towns, and the result, according to Dr. Wilson, will be the same. If once consumption takes root in South Africa the mortality is almost certain to be high, as it is generally the case that diseases imported into a country where they were previonsly unknown spread quickly, and have a high death-rate.

Taxation of Limited Companies.—The Bond Government during its short career has passed a measure called the Stamps and Licences Amendments Act, which is beginning to aronse considerable indignation, because it is held to discourage trade in Cape Colony. Amongst the provisions of the Act is one which compels joint-stock companies outside the colony as well as inside, and who do business in the colony, to pay tax at the rate of 1*s.* per 100*l.* on the whole amonnt of their capital. The representatives of A. J. White (Limited), of London, in a letter to the *Cape Times* strongly protesting against the measure, give some interesting particulars of how the Act is working. The following is the gist of their letter:—

The capital of the company is 1,000,000*l.*, of which only between 3,000*l.* and 4,000*l.* was expended in South Africa in 1893 to open the branch. The Government now demand payment of 500*l.* per annum from the company. The Mother Seigel's syrup sold out there is manufactured in Cape Town, about thirty hands being employed. The company spends between 1,800*l.* and 2,000*l.* per annum in colonial postage, and the managers hint that if the new tax is enforced they will transfer the business to Natal, which is in the Customs Union, and where the maximum tax for any company is 50*l.* per annum. The writers proceed to say: "The iniquitous taxes levied in the Transvaal are eclipsed by the Stamps and Licences Act. We think that when the far-teaching power of this Act is properly understood and the danger to the trade of the colony known the Act will be repealed."

"I understand," adds our Cape Town correspondent, "that A. J. White's managers do not object to pay on the trading capital actually employed by them in the colony—at any rate, they will refuse to pay more, and will, if need be, fight the Government."

The yield of olive oil in Palestine is estimated at 20,000 tons, nearly all of which is sent to Egypt for use in soap-manufacture.

The German Pharmacopœia.—As the final sitting of the editorial commission will be held on April 19, it is expected that the new edition will be ready so that it may come into force on January 1, 1900.

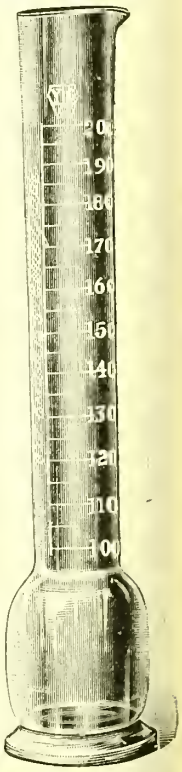
Trade Notes.

Messrs. Burroughs, Wellcome & Co. have presented to the Gordon College, Khartoum, a complete medical equipment and stock for the dispensary.

The Formalin Hygienic Company (Limited), of 9 and 10 St. Mary-at-Hill, notify the trade in very definite terms that the word "Formalin" is their registered trade-mark, and that they will protect their claim.

Chlorobrom maintains its reputation as a remedy for insomnia and sleeplessness. We say so after reading from medical men and others which Messrs. Burgoyne, Burbidges & Co. print in their export price-list as a supplement. We may suggest that with so good testimony from medical graduates whose names and addresses are given it is scarcely necessary to print the note of the layman who "endorses every statement the 'Confectioners' Union' stated about chlorobrom for sleeplessness."

Standard Metric Measures.—We had an opportunity recently of seeing some of the sets of standard metric measures which the York Glass Company are snpplying to inspectors of weights and measures. There are ten measures in each set—six cylindrical measures and four pipettes—of the capacities: 1 000 c.c. 500 c.c., 200 c.c., 100 c.c., 50 c.c., 20 c.c., 10 c.c., 5 c.c., 2 c.c., 1 c.c. The four largest measures are of a new pattern, the bottom part being globular, or bulb-shaped, as shown in engraving. The advantages of this shape are that it reduces the height of the measures and brings the graduated portion at a more convenient distance. They also stand firmer and pack into less space, which is a convenience where the case has to be carried about. The measnres in these sets have been graduated at 15·5° C., and are certified as correct by the Board of Trade. The sets are contained in a mahogany velvet-lined case, each measure fitting into a separate compartment. This note about these measures will recall to onr readers the fact that metric weights and measnres are now legal for trade-purposes, but they cannot, strictly speaking, be used nntil they have been approved and stamped by the local or other authority under the Act. Now that standards are available, it is to be expected that weights and measures can be stamped, and it would be well that chemists should communicate with their local inspectors in regard to the matter.



Irving's Specialities. — Since we noticed the list of Irving's specialities for counter sale contained in the price-list of Messrs. Allison, Johnson & Foster (Limited), Hull, we have received a large number of specimens of them to show us what they are like. These include snch a wide range of medicines, household requisites, and veterinary articles that we must be excused from particularising them. The bottled preparations are in all cases enclosed in nicely-decorated cartons, and when tins are used, as for health-salt, disinfecting-powder, and plant-manure, they are decorated with well-displayed designs. This same artistic taste is displayed throughout the whole series, even down to the penny lines. No address is given on the packages, so that the customer need not know that the goods are not packed by the chemist who sells them. It strnck us in looking through the samples that there were several articles among them which chemists would be able to pnsh, especially in cases where they wonld not be justified by reason of the expense of the packages in putting them up for themselves. Messrs. Allison, Johnson & Foster will send a list of these goods on receipt of a postcard, and specimens of any particular ones the chemist wishes to see.

Marriages.

Lyle—Griffiths.—At Holy Trinity Church, Wordsley, on April 6, by the Rev. P. P. Slade, Rector, Councillor William Lyle, chemist, Berwick-on-Tweed, to Georgiana Lavinia, widow of Mr. H. Griffiths, and daughter of the late Mr. T. Bott, Worcester.

Moody—Robson.—On April 4, at Pocklington, by the Rev. Brynford Jones and the Rev. C. H. Whitfield, W. Edmondson Moody, chemist and druggist, Driffield, to Ethelwin, daughter of Mr. J. W. Robson, Pocklington.

Wade—Walter.—At Southampton, on April 5, H. B. Wade to Florence, daughter of Mr. F. H. Walter, chemist, Southampton.

Deaths.

Cooper.—At Acton, on April 9, Mr. Henry Cooper, chemist and druggist, head of the firm of Cooper & Co., chemists, Greek Street, Soho. Aged 50.

Pawsey.—At Lakenheath, on March 21, Mr. George Dunthorne Pawsey. Aged 86. Deceased gentleman had been in business as a chemist for sixty-one years.

Paterson.—At Glasgow, on April 4, Rachael McIlwraith, youngest daughter of Mr. Arch. Paterson, chemist, Glasgow.

Soppitt.—On April 1, at Halifax, Mr. Henry Thomas Soppitt, manufacturing druggist and drysalter.

Tebb.—On March 20, at Lincoln House, Gardens, Cape Town, Mr. Henry Tebb, chemist and druggist, managing director of Lennon's (Limited). Mr. Tebb was born in Lincolnshire about fifty years ago, and after serving his apprenticeship at Ipswich he passed the Minor examination in 1873, and went to Port Elizabeth in 1876 as assistant to Messrs. B. G. Lennon & Co., this being the first business

opened by the company. Three years later he commenced business on his own account at Graaff Reinet, and in 1884 he resumed his association with Mr. Lennon as a partner of the firm Lennon & Tebb, Cape Town. Three years later he became managing partner of the business at St. George Street, Cape Town, which was continued up to 1891, when, together with other branches, it was taken over by B. G. Lennon & Co. (Limited), now Lennon's (Limited). Mr. Tebb's illness was briefly referred to in our South African news last week. After the mail left the illness took a more serious turn (it was a painfnl internal complaint), and the sufferings were so great that he succumbed to them. Mr. Tebb was very well known in Sonth Africa, though he took no part in political or public matters. His loss will be acutely felt by the company, as he was with them almost rom the start, and helped to consolidate the business. He howed considerable ability in the management, and as time went on he acqnired a large share in the company, and died comparatively wealthy man. Mr. Tebb paid a visit to this country some eighteen months ago, at which time he was looking remarkably well. He leaves a widow, but no family. Mr. Browne, manager of the Johannesburg branch, who is now acting in the place of the late Mr. Tebb, will be elected a director to succeed him.

Wall.—At Shaw, near Oldham, on April 6, Mrs. Harriet Wall, chemist and druggist. Aged 65.

Weston.—On March 23, Mr. Joseph Weston, chemist and druggist, Fenton, Staffs. Aged 66.

Young.—On March 25, Mr. H. T. B. Young, chemist and druggist, late of Liverpool. Aged 49.

A New Test for Cocaine.

By Dr. George L. Schaefer.

There are two well-known tests for determining the freedom of commercial cocaine salts from other coca alkaloids. These are the permanganate-tests for detecting cinnamyl-cocaine, and the ammonia-test, popularly known as McLagan's test, for detecting the presence of the coca alkaloids which are resistant to permanganate.

While it is generally admitted that the permanganate test is sufficient to detect the presence of cinnamyl compounds, chemists have expressed some doubt regarding the value of McLagan's test. I have for some time been conducting experiments with the object of finding a substitute for McLagan's test which would allow of the rapid and accurate determination of the presence in cocaine salts of the coca alkaloids not indicated by the permanganate-test.

As the result of nnmerons determinations, I have devised a test based on the fact that the chromates of these alkaloids are much less soluble than cocaine chromate, both in water and in water acidulated with hydrochloric acid. The relative solubility of the chromates in acidulated water is about 1 to 500 in the case of cocaine chromate, and 1 to 5,000 in the case of residual alkaloidal chromates.

I therefore offer the following as a simple and satisfactory method of determining the purity of cocaine salts:—Dissolve 0 05 gramme of cocaine hydrochloride in 20 c.c. of distilled water mixed with 5 c.c. of a 3-per-cent. solution of chromic acid, and to the mixture add 5 c.c. of a 10-per-cent. solution of hydrochloric acid. It is advisable to keep the temperature of the solution at 15° C. If the cocaine hydrochloride be pure, a clear solution will result; if more than traces of foreign coca-bases be present, the solution becomes cloudy at once, or in a few minutes according to the amount of impnrity present.

It is advisable to make the test side by side with a specimen of known purity for comparison.

New York Quinine and Chemical Works, March 27.

Council Candidates Competition.

The following are the names and residences of candidates for the seven vacancies in the Pharmaceutical Council:—

A. Bottle, Dover	J. W. T. Morrison, Tring
A. S. Campkin, Cambridge	C. J. Park, Plymouth
M. Carteighe, London	J. Smith, Liverpool
G. C. Druce, Oxford	A. Southall, Birmingham
W. S. Glyn-Jones, London	R. E. Wright, London
J. Harrison, Sunderland	J. R. Young, Warrington
J. F. Harrington, London	

The election will take place on May 17. We ask our subscribers or their employés to send us postcards on which they will name in order of merit the seven whom they think should be elected. Surnames only need be given on the postcards. Hitherto we have asked for the names of those who are likely to be elected to be given. Competitors will note the difference on this occasion, and vote accordingly. We shall give a guinea to the writer of the postcard which most closely hits the order of the general vote. In the event of a tie or ties, the money will be shared. The competition will close on April 30—*i.e.*, postcards with postmark of May 1 will not be eligible.

Pharmaceutical Society of Great Britain.

COUNCIL MEETING.

THE meeting on Wednesday was a longer one than usual, the Pharmacy Bill, 1899, being the chief subject of discussion. The President explained the position, and a resolution was adopted giving the Watch Committee power to oppose the Bill, and also at the right time get the Companies (Medical Profession) Bill amended so as to include chemists. The death of Mr. A. S Hill was alluded to; he has left 50*l.* to the Benevolent Fund. For the seven vacancies which will occur on the Council in May seventeen nominations were received, and of the nominees thirteen signified their willingness to serve. Mr. Carteighe was appointed to represent the Society on the Chelsea Physic-garden Administration. Mr. Maben, a member of the Board of Examiners for Scotland, has resigned the position. The Japanese are willing to permit foreign chemists to practise in Japan without further examination, and have amended their pharmacy laws accordingly. The winners of the medals and prizes in the senior course of the School of Pharmacy were announced.

The meeting began at 11 15, and lasted till 1 40. There were present the President (Mr. Walter Hills), and Messrs. Allen, Atkins, Bateson, Bottle, Carteighe, Corder, Cross, Grove, Harrington, Harrison, Newsholme, Park, Savory, Southall, Storrar, Symes, Warren, and Young.

A letter was read from Dr. Harrison Martindale saying that his father was in bed with a feverish cold, and would be unable to attend.

The PRESIDENT began by referring to the

DEATH OF MR. A. S. HILL,

in his 97th year. He was one of the oldest members of the Society, and almost a founder. Mr. Hill was present at the historic meeting at the Crown and Anchor, and had supported the Society since 1842. His son, Mr. A. B. Hill, was an auditor in 1857, and his grandson, Mr. C. A. Hill, was a student in 1893, and subsequently a worker in the Research Laboratory. Thus they had three generations of Hills connected with the Society. Mr. A. S. Hill went into business in 1824, and retired in 1872. He was a member of the Salters' Company, and at one time Master of the Company. He (the President) had met him on two or three occasions when dining with the Company, and regarded him as a very fine example of an old English gentleman. Since Mr. Hill's death he had received a letter from his son stating that his father had left 50*l.* to the Benevolent Fund. The President moved that a resolution be sent to the family expressing sympathy.

ELECTIONS.

Four hundred and three members were elected, six persons restored to their former status in the Society, and a number of student-associates (number not mentioned) elected.

Dr. SYMES asked if the persons restored were all members before, as it was possible some were associates and could not be restored to their former status.

The PRESIDENT said they must look on them in a natural way, as the natural descendants of what they would have been if they had remained in the Society.

Eventually the words "restored to the Society" were used instead of "former status."

NOMINATIONS.

It was announced that seventeen nominations had been received to fill the seven vacancies which will occur in the Council. The following thirteen persons signified their willingness to serve if elected:—Mr. A. Bottle (Dover), Mr. A. S. Oampkin (Cambridge), Mr. M. Carteighe (London), Mr. G. C. Druce (Oxford), Mr. W. S. Glyn-Jones (London), Mr. J. F. Harrington (Kensington), Mr. J. Harrison (Sunderland), Mr. J. W. T. Morrison (Tring), Mr. C. J. Park (Plymouth), Mr. John Smith (Liverpool), Mr. A. Southall (Birmingham), Mr. R. E. Wright (London), and Mr. Rymer Young (Warrington). Messrs. Gibson (Brighton), R. A. Robinson, J. C. Umney, and E White had also been nominated, but had not signified their willingness to serve. Messrs. Butt, Lescher, Stacey, Umney, and Yates have been nominated auditors

The Privy Council sent a copy of Dr. Stevenson's

REPORT ON THE EXAMINATIONS

for the year ending March 31, 1899. For the Preliminary examination 1,357 candidates were examined, and of these 618 (45·5 per cent.) passed and 739 (54·5 per cent.) failed. Happily this easy examination, the report said, will be discontinued after August, 1900, and a more stringent test demanded. For the Minor examination 1,190 candidates were examined. Of these 348 (29 2 per cent.) passed and 842 (70 8 per cent) failed. The percentage of failures in chemistry was 37·7, in materia medica 2 4, in botany 5·4, in prescription-reading 5, in practical dispensing 22·8. "It is not surprising, in view of the large increase of persons (913) examined in comparison with the preceding year, to find an increase of 6 2 per cent. in failures. It is regrettable that a large proportion fail in chemistry, which is indispensable to the calling of a chemist and druggist." This is due, the report stated, to defective training. For the Major examination there were 104 candidates—51 (49 per cent) passed, and 53 (51 per cent.) failed. The failures in chemistry were 20 2 per cent., in physics 7·7 per cent., materia medica 8·7 per cent., and in botany 21·2 per cent. The report regretted that such a small proportion of chemists and druggists present themselves for this examination.

The report of the

FINANCE COMMITTEE

was next read. It showed the following balances:—

	£	s.	d.
General Fund account	919	5	6
Benevolent Fund	596	7	6
Donation account	653	3	5
Orphan Fund account	224	16	0

Accounts were submitted for payment amounting to 2,650*l.* 2*s.* 8*d.*, of which 891*l.* was for the *Journal*, 691*l.* for salaries, 232*l.* for sundries, 135*l.* for rent, and 700*l.* for current expenses.

The PRESIDENT, in moving the adoption of the report, said there was nothing special to call attention to. The amounts included the quarterly salaries.

The report was adopted.

BENEVOLENT FUND.

The report of the committee recommended grants—one of 20*l.*, two of 10*l.*, and one of 5*l.*

Mr. BOTTLE mentioned the case of Robert Kirkby, aged 5½ years, who was an applicant for election to the Watford Orphan Asylum. The boy was one of the children of a pharmaceutical chemist, who died suddenly in 1896. He (Mr. Bottle) asked that the matter might be mentioned so that members who had votes would use them on behalf of this applicant.

The Library and Museum Committee's report was next submitted. The Curator reported to the committee the number of attendances and donations to the Museum, and the Librarian as to the attendance, circulation of books, and donations to the Library. The draft report for the annual meeting was considered. It was recommended that Mr. Michael Carteighe be appointed to represent the Society on the Chelsea Physic-gardens scheme.

The PRESIDENT calling attention to the last matter said Mr. Carteighe had had a good deal to do with the scheme.

The report was adopted.

LOCAL SECRETARIES.

Mr. W. I. Scholes, of Eccles, was elected Local Secretary in place of Mr. W. L. Howie, who is leaving Eccles. Mr. Howie was thanked for his services.

Mr. Carteighe said he had known Mr. Howie during the whole time he was President, and he was not only a distinguished pharmacist intellectually and photographically, but he understood their work and followed it intelligently. Mr. Howie was able to do them much service in talking to grumbling chemists and showing them what the Society had done for them. Mr. Howie was coming to live in London.

The President also announced that Mr. Thomas Coulson, Gracechurch Street, E.C., had consented to become Divisional Secretary for the City of London, and promised to do his best for the Society if elected.

He was elected.

Examiner Resigns.

A letter was read from Mr. Thomas Maben resigning his position as examiner in Scotland owing to his concluding a business engagement which will necessitate his undivided attention.

The President said Mr. Maben was the oldest examiner in Scotland, and the Council regretted his resignation. He was an excellent examiner. Last week, when he (the President) was in Scotland, he found Mr. Maben doing his work in his excellent way. They were losing a very good man.

Mr. Storrar added a few words of regret at the loss of Mr. Maben as an examiner. He had been an examiner for fifteen years, and had in that time proved himself a most experienced man. He wished him every success in his new vocation

The President, in putting a resolution conveying their thanks, said he had recently had experience of the interest Mr. Maben takes in education, because of certain correspondence between the Boards of Examiners about the examinations which were to be accepted in lieu of the Preliminary in 1900 He hoped soon to be able to put before them suggestions as to the certificates they should accept in 1900 It would be the duty of the North British Branch executive to nominate an examiner for the remainder of the year.

The Law and Parliamentary Committee's report was received. It recommended that the Watch Committee be instructed to take active measures to oppose the

Pharmacy Bill, 1899,

and to take steps to obtain an amendment of the Companies (Medical Profession) Bill, 1899, so as to include pharmaceutical chemists and chemists and druggists.

The President, in moving that the report be adopted, said that within twenty-four hours of receiving the Pharmacy Bill he summoned the Watch Committee, and they came to the conclusion that there was no urgency at that moment, owing to the fact that the House of Lords had already adjourned. It was therefore resolved to wait till the meeting of the Law and Parliamentary Committee last Tuesday, and the meeting of the Council to-day, before making any definite statement to their friends. It was unnecessary, perhaps, to call attention to the points of the Bill referring to themselves. Not only their practice, but their title, was to be given away, and to make matters worse the Lord Chancellor had seen fit to introduce a Bill which aimed at preventing companies carrying on medical and other professional practices. He would like to go back a moment to what happened last year in reference to their Pharmacy Bill, which, he must remind them, had often been called one dealing only with their internal affairs. The Lord Chancellor at the third reading of that Bill moved the following amendment:—

A company may carry on the business of a pharmaceutical chemist or chemist and druggist if and so long only as the business is *bona fide* conducted by a manager or assistant being a duly registered pharmaceutical chemist or chemist and druggist, but, subject as aforesaid, sections one and fifteen of the Pharmacy Act, 1868, shall apply in the case of a company in like manner as they apply in the case of an individual.

He (the President) need not refer to the reasons which induced the Lord Chancellor to withdraw the amendment, but would prefer rather to quote his lordship's remarks at the time, when he is reported to have said:—

Although I do not think this amendment of mine would hurt the Bill, still, the Bill, on the other hand, really and truly only affects the internal economy of the Society. I had received a number of complaints in respect to these companies, which are practically medical companies, but most of the complaints came from Ireland, and therefore would not touch the question, which is a very important and serious one. I know that after the Bill was introduced in the House of Commons an agreement was come to that it should be taken as an unopposed Bill; but I have received a very considerable body of correspondence on both sides with reference to this question, discussing whether or not such an amendment ought or ought not to be introduced into the existing law. Well, my Lords, I have considered it very carefully, and it appears to me that the amendment would be inoperative unless there was a very considerable amount of machinery introduced in the measure in the way of registration. I have come to the conclusion, therefore, though I adhere to the opinion I expressed in the Standing Committee, that unless such additional provision were made, it would be better for me not to move the amendment now standing in my name.

From this it would appear that the reasons which influenced the Lord Chancellor in withdrawing the amendment were, first, that it was not germane to the Bill; secondly, that it did not apply to Ireland; and, thirdly—a reason upon which he laid great stress—that it would be inoperative without the provision of cumbrous machinery. This last objection reminded him that in the Bill before them the same objection held good; his Lordship had not provided any machinery to carry out his proposals. The Lord Chancellor not only went the length proposed in his amendment last year—he went further, and gave away the titles which, in their opinion, should only belong to natural persons. He (the President), shortly after the passing of the Bill, had an interview with the Lord Chancellor, which he had not referred to much in detail, as he was anxious not to say too much, with the risk of getting words misconstrued. He had a very interesting conversation with his Lordship, and came away with the impression that the Lord Chancellor laid stress on the fact that they should not send any suggestions which were not of a fairly practical nature, and the suggestions should be of such a nature that they would be sure of the support of both Houses; and that he held the opinion that prescribed medicines should be prepared and dispensed by qualified persons. These were the two leading thoughts in his mind after that interview, and it was after considerable thought that their suggestions were sent to the Lord Chancellor. Some persons argued that the suggestions were not of a practical character, and would meet with a considerable amount of opposition in the House. There was a growing feeling in regard to the injustice of the decision of the House of Lords in the professions, and when they knew that other professional bodies were approaching the Lord Chancellor, they felt that something might be done. Whether the course they had taken was a wise one in the eyes of their critics or not, he felt they were more than justified in their draft Bill. They did not believe it was a great blunder. He maintained the suggestions were on the right lines and would receive the support of at least 90 per cent. of qualified persons on the register, and when they sent the suggestions they took the opportunity of acquainting the Lord Chancellor with the opinions of a large majority of their members. In considering alterations in the pharmacy laws two factors were to be borne in mind. The suggestions must have the support of the Government and also of their own people. They had practically said to the Lord Chancellor: "Here are the suggestions that will receive the support of the registered persons," and if the Lord Chancellor found no difficulty with other learned professions—he did not know about midwives—(laughter)—he could surely apply the same principle to them. He wished distinctly to say, and he would say it to the Lord Chancellor himself, that their titles were as dear to them as were the titles of medical men or dentists. He did not know if the Lord Chancellor quite knew the process their young men had to go through to be qualified. The Parliament of 1868 had laid it down that sellers of poisons should be qualified and pass certain examinations and be registered. And their register consisted year by year of a larger proportion of examined persons, so that now, after thirty years, the register was getting filled with the names of those who had passed examinations. None of them would sympathise with the proposal to take away their titles, but they might have to make some practical suggestions as to company-trading. At present qualified men were not

ready to accept anything less than the suggestions. At some future time different conditions might be forced upon them by circumstances, but then titles would be reserved and restricted to those who have the legal right to them, and he hoped those regulations would be strong and stringent, so as to prevent the carrying on of pharmacy by companies of all sorts and descriptions. There was no definition in the Pharmacy Bill as to what a company was, but in the Medical Bill there was some kind of definition. He had mentioned that the fact that the Bill did not affect Ireland was one of the reasons why the Lord Chancellor withdrew his amendment last year, and as he had had correspondence with the President of the Pharmaceutical Society of Ireland he wished to say publicly they had every desire to act in accord with the Irish Society; and the lines which they had taken he thought, in his innocence, could not but be acceptable to persons on the other side of St George's Channel. It was difficult to get into close relationship through the post, but he had not thought they were taking any antagonistic steps, but, on the contrary, were trying to do what every qualified person in Ireland would like to see done. The clause in their suggestions as to the exclusive right to sell medicines had been called in question, but he was glad to know they would on that question have the sympathy of their brethren in Ireland. In regard to the power they were giving to the Watch Committee to oppose the Bills at the right time, and also to get an amendment of the Companies (Medical Professions) Bill, they had left them considerable liberty. One of their critics had suggested that company-pharmacy might be regulated by requiring that every managing director should be a qualified chemist. But they thought that the opposition of the great stores would be greater to this than it would be to the proposal to prohibit company-pharmacy altogether, as they must remember that, in the case of the great London stores at least, pharmacy was but a small part of their business. He only mentioned this to show that the suggestion was quite impracticable, and he might say that there was nothing between their suggestions and what they were not yet ready for, some kind of regulation of company-pharmacy. They had received a number of resolutions from various bodies in reference to the Lord Chancellor's proposal; he had not read them, but he understood that the trend of them was to request them to oppose the Bill before the House of Lords. Among the societies sending resolutions were the North-East Lancashire Chemists' Association, the Sunderland Chemists' Association, the Oxford and District Association, the Exeter Association, and the Newcastle Association; and all of these he proposed to refer to the committee. He had also received from Mr. Macpherson, of Edinburgh, a very carefully drawn-out draft Bill, which he would also refer to the committee. He thought it might help them in any future legislation which they might suggest.

The Vice-President (Mr. Newsholme) seconded the resolution, which he had no doubt would pass unanimously and have the support of the trade. When he first saw the Bill he was inclined to think it was a joke put forward in the name of the Lord Chancellor. He would like to know what would happen if all the professions were thrown open as it was proposed to throw theirs. What would happen if lawyers were put on this same basis? Pharmaceutical chemists were exempt from juries; would all the seven members of a pharmacy company be exempt, and would a man who was a member of a company of pharmaceutical chemists be able to say he was a pharmaceutical chemist? This showed the absurdity of the whole thing.

Mr. Atkins said they were asked by the Lord Chancellor for the suggestions, which were sent, and he was prepared to accept his full share of responsibility. He did not object to criticism, for had they not been recently informed that strong opposition is essential to a good Government? Criticism was the very life and soul of public life, but it should be fair and honest. They were not delegates, but representatives sent to use their best qualities of mind on public questions. This Bill must either be ended or mended—he said, it must be ended, it was not capable of being amended.

They had Asked for Bread,

and had given to them a stone, which honour he for one distinctly declined. It was true they had not much left but the title, but let them fight for that to the last. Their title was their good-will, and also a certain monetary possession. This Bill would not require much to end it, and, without alluding to political matters, he would mention they had a Government which had already showed a marvellous capacity to yield, and would, no doubt, readily do so again. Their suggestions were a strong demand, and perhaps they had asked for more than they would get, but then they had been told before they were mealy-mouthed, and did not go in for a big thing—(hear, hear)—that would carry the country with them. Continuing, Mr. Atkins said their demands were honest, and he urged them, if they must retire from the position they had taken, not to let the surrender be from within. He could not understand how a profound lawyer, or even his delegate, could advise such a Bill to deprive them of their rights.

Mr. Harrison thought the President's speech very temperate in spirit considering the serious crisis at hand, and did not approach the subject in the spirit of panic. He hoped the country would read it, and realise the gravity of the situation. The Bill was not capable of amendment, but must be ended at once. According to their critics, they were equally wrong if they stood still—indifferent they were called—or if they

Did Something Boldly.

He would remind them that the suggestions were sent to the Lord Chancellor because he asked for them, and it was their duty as experts to point out the inadequacy of the present laws and indicate the ideal legislation. They had been told that they courted failure, but they would not have carried out their duties if they had not pointed out the ideal. They had often been accused of asking too little, and now they were blamed for asking for too much. It was a cruel thing to take away their titles, and he hoped that prompt and decisive efforts would be made to relegate the Bill to that obscurity from which it should never have emerged.

Mr. Young said that as they all seemed to be making profession and confession he would like to say that he did not withdraw one single word in connection with what he had said. They were not unlike the early Christians who were cast to wild beasts in the arena, and who appealed to the Romans without effect; but, although it might be regarded as an insidious form of mental aberration, they had a perfect right to ask for a restoration of the meaning of the 1868 Act. "Oppose this monstrosity," Mr. Young continued, "in its progress in the House of Lords, and let us even go in for a policy of obstruction if we cannot get ourselves included in the Companies Bill."

Mr. Bottle gave the President his sincere thanks for his able exposition of their position. He felt it his duty to support the views laid down, and he felt that the body of the trade were only waiting for the Society to give them the cue. The Lord Chancellor said the Bill had for its object the putting of companies in the same position as widows. Now it was the duty of trustees to wind up an estate as soon as they could, but a company would carry on business as long as ever they chose—"like a flowing river."

Mr. Cross emphasised the need for voters electing plenty of London men on the Council, so that they could have a strong committee to act in such emergencies as this.

Mr. Storrar begged leave to say a single word on one point, and that was that the suggestions for the draft Bill were framed at a meeting at which he was not present. He should not have been prepared to agree with them, as they had not a ghost of a chance of receiving parliamentary sanction. The only argument they could use was the safety of the public; they need not look for any protection. Still there was nothing unreasonable in the suggestions; he looked upon them as an attempt to formulate the thoughts of the trade, and 90 per cent of the trade thought on the lines of the suggestions. But they had passed the time for acquiring privileges such as they had formulated, and there was no chance of going back to 1868. Their policy should be not to end, but simply curtail and control, company-pharmacy. They had loyally acted up to the spirit of the 1868 Act, and now when the public see the title "pharmaceutical chemist" or "chemist and druggist" over a shop they know that there is an educated man within. The Lord Chancellor proposed to do away with

this meaning, and to enable any man incapable of coming up for the examinations to trade as a qualified man.

Mr. Allen said he would like to make it clear that before the Watch Committee separated they unanimously agreed to oppose the Bill to the greatest extent in their power.

Mr. Warren contended, in regard to what Mr. Storrar had said, that it was in the interests of the public that the professional spirit should be promoted and maintained, and the only ideal way of doing that was for the proprietor of a pharmacy to be responsible for the conduct of it.

Mr. Park pointed out that it would be a dangerous thing to reduce pharmacy to pure commercialism. At present the chemist stood between the public and danger, preventing the community injuring its health. They all knew that by the abuse of certain dangerous drugs the public health would greatly suffer.

Mr. Carteighe really did not think the trade needed much encouragement to kill this Bill, and he hoped it would be his painful duty to assist in the process of killing, as he had yet a month to serve the Society. (Laughter) He tendered the President his sympathy, and hoped he would stiffen his back and not be uncomfortable, alarmed, or nervous; he would get quite pachydermatous after a time. No President of the Society was ever treated so curtly as their chief had been. The Lord Chancellor had not sent any communication other than the bare acknowledgment of the letter, and he felt bound to say that he (the Lord Chancellor) ought to have sent for and consulted the President as the official bead of the body representing pharmacy. Protection of the public was of course the essential thing, but in the process there were some advantages given to the persons practising that profession. There was a

Touch of Sarcasm

in the Bill; he looked upon it as a Bill to help his legal brethren to understand the case in future legal actions. He (Mr. Carteighe) was anxious to say that it was not always wise to try to destroy suggestions from members of the Government, but they had endeavoured to see if they could get any good out of the Bill, and they could not. Their first duty was to get rid of the Bill, and then begin *de novo* and get a reasonable amended Bill. Ireland forgot that in this country we have practically only the sale of poisons, whilst she has the right of compounding of prescriptions. The Lord Chancellor was (the speaker thought) under the impression that in Great Britain they had the right of dispensing prescriptions as the Irish have. It was almost painful to have to remind gentlemen of the law that the Act of 1868 did not give them that right. He was sorry for those included in the Company Bill which the Lord Chancellor had introduced, as he felt it would be their duty to amend it. There was more danger in the sale of poisons by companies than there was in carrying on medical practice by a company.

The President, in concluding the debate, said he was glad to hear such unanimity. Their position was almost unbearable, and a disgrace in the present condition of things. He was continually disgusted at the way he had to act for them in regard to prosecutions, and the conditions must be altered, so that they could get at the persons actually at fault, instead of proceeding against persons who were more sinned against than sinning. He hoped they could soon put an end to such a disgraceful state of things. (Hear, hear)

Letters.

The London University Commissioners wrote acknowledging a communication from the Society urging its claims for recognition The Society hoped to be recognised as a teaching body, and that facilities would be given at the University to qualify for their examinations. In making this announcement, Mr. Carteighe said he had been the means of urging their claims, and by pointing out who they were and what they did to claim association with the project and thereby help forward pharmacy.

The Foreign Office forwarded a translation of a pharmacy amending-law made in Japan. The law gives permission for all persons who have graduated in a pharmaceutical college, in the pharmacy of a university, or obtained the apothecaries' licence in foreign countries, to obtain a licence to practise in Japan without further examination.

Dr. Symes did not know if "pharmacy college" included their Society. Foreigners could not understand their Society, but could a college.

The President thought there would be no difficulty, as the Japanese seemed to be inclined to act in a liberal spirit. The question raised, however, only tended to show the need for a connection with the University of London and a compulsory curriculum.

Two copies of the register of chemists in Victoria were received from the Registrar.

It was here mentioned that at the April examinations in Scotland 55 candidates passed and 79 failed.

The report of the General Purposes Committee was next read. It recommended the awarding of the following

Medals and Certificates

to the senior students on the suggestion of the professors of the School of Pharmacy:—

Botany.—Silver medal: Mr. T. E. Wallis. Certificates: Miss F. Magain and Mr. W. Garcey.

Practical Chemistry.—Silver medal: Mr. W. L. Nundy. Certificates: Mr G. Patterson and Mr. T. E. Wallis.

Theoretical Chemistry.—Silver medal: Mr. T. E. Wallis. Certificates: Mr. H Pain and Mr. Spurway.

Materia Medica.—Silver medal: Mr. H. Pain. Certificates: Mr. T. E. Wallis and Mr. W. Garcey.

The President mentioned that Mr. Wallis is the son of Mr. J. T. W. Wallis, their Divisional Secretary for South Islington, who obtained certificates in chemistry, materia medica, botany, and pharmacy in 1868.

This concluded the public business.

APRIL EXAMINATIONS.

Edinburgh.

The Board of Examiners for Scotland met at 36 York Place, Edinburgh, and concluded their session on April 8, having examined 134 candidates in the

Minor Examination.

Of these, 79 failed, and the following 55 passed:—

Allan, Edward C., Aberdeen
Allison, J. W. W., Cockermouth
Anderson, A, Edinburgh
Anderson, D. S. B., Edinburgh
Bailes, Arthur T., Edinburgh
Baillie, James, Loanhead
Banks, George, Glasgow
Barrie, Joseph, Bonnyrigg
Bates, Henry J., Newcastle
Bell, William W., Edinburgh
Berry, John C., Paisley
Binks, Thomas C., Edinburgh
Boyack, William S., Dundee
Burr, Patrick, Aberdeen
Caird, James, Stonehaven
Cox, Thomas F., Edinburgh
Davidson, James, Leith
Davie, John Scott, Glasgow
Davies, Thomas B., Rhymney
Dixon, Charles J., Edinburgh
Duncan, David D., Edinburgh
Gilmour, Andrew B., Govan
Glen, Arthur G., Glasgow
Gray, William R., Newcastle
Grierson, George, Glasgow
Hardern, Arthur E, Edinburgh
Hare, Charles, Edinburgh
Hay, George W., Edinburgh
Hendry, A. W., Glasgow
Husbands, H., H., Edinburgh
Laurie, James A., Edinburgh
Macintyre, John H., Glasgow
McMillan, David, Glasgow
Macsween, A., Edinburgh
Marr, Archibald, Aberdeen
Marshall, Alfred G., Morpeth
Mitchell, William D., Edinburgh
Moss, Arthur, Manchester
Nicholson, Malcolm, Glasgow
Nimmo, James H., Edinburgh
Paris, William, Glasgow
Paterson, G. D., Manchester
Robertson, W., Edinburgh
Robinson, Joseph, Durham
Robson, W. T., Edinburgh
Scott, Samuel, Manchester
Skinner, James A., Edinburgh
Stewart, Charles, Edinburgh
Thomson, John T., Glasgow
Townley, Thomas T., Glasgow
Traub, Leonard B., Edinburgh
Walker, Henry, Edinburgh
Walker, John P., Sunderland
Wilson, William S., Loanhead
Young, Charles, Edinburgh

"First" Examination.

The following are the questions given at the examination on April 11, 1899:—

LATIN.

(Time allowed—from 11 A.M. to 12.30 P.M.)

I. For all Candidates. Translate into Latin:—

1. He had both horses and money.
2. The two boys were being taught by the master.
3. Have you shut the gates of the city?

4. "But why," said the queen, "do you not attack the enemy?"
5. He has done these things that he may be praised.

II. Translate into English *either* A (Caesar) *or* B (Virgil).

(*Candidates must not attempt both authors.*)

A.—Caesar.

1. Tum demum Liscus, oratione Caesaris adductus, quod antea tacuerat, proponit: Esse nonnullos, quorum auctoritas apud plebem plurimum valeat; qui privatim plus possint, quam ipsi magistratus. Hos seditiosa atque improba oratione multitudinem deterrere, ne frumentum conferant: quod praestare debeat, si jam principatum Galliae obtinere non possent, Gallorum, quam Romanorum imperia perferre; neque dubitare debeant, quin, si Helvetios superaverint Romani, una cum reliqua Gallia Aeduis libertatem sint erepturi.

2. Diu quum esset pugnatum, impedimentis castrisque nostri potiti sunt. Ibi Orgetorigis filia, atque unus e filiis captus est. Ex eo proelio cerciter hominium millia centum triginta superfuerunt, eaque tota nocte continenter ierunt: nullam partem noctis itinere intermisso, in fines Lingonum die quarto pervenerunt, quum, et propter vulnera militum, et propter sepulturam occisorum, nostri, triduum morati, eos sequi non potuissent.

Grammatical Questions.

(For those only who take Caesar.)

1. Decline, in the singular, *improba oratione*; and, in the plural, *ipsi magistratus*. (Passage 1.)
2. Give the principal parts of all the verbs in Passage 2.
3. Parse fully:—"Diu quum esset pugnatum, impedimentis castrisque nostri potiti sunt." (Passage 2.)
4. What is meant by the *sequence of tenses*? Give, in English and Latin, *two* sentences in illustration.

B.—Virgil.

1. Musa, mihi causas memora, quo numine laeso,
Quidve dolens, regina deum tot volvere casus
Insignem pietate virum, tot adire labores,
Impulerit: tantaene animis coelestibus irae?
Urbs antiqua fuit, Tyrii tenuere coloni,
Carthago, Italiam contra Tiberinaque longe
Ostia, dives opum, studisque asperrima belli;
Quam Juno fertur terris magis omnibus unam
Posthabita coluisse Samo.

2. Ergo his aligerum dictis affatur Amorem:
Nate, meae vires, meae magna potentia; solus,
Nate, patris summi qui tela Typhoia temnis,
Ad te confugio, et supplex tua numina posco.
Frater ut Aeneas pelago tuus omnia circum
Littora jactetur, odiis Junonis iniquae,
Nota tibi; et nostro doluisti saepe dolore.
Hunc Phoenissa tenet Dido, blandisque moratur
Vocibus: et vereor, quo se Junonia vertant
Hospitia: haud tanto cessabit cardine rerum.

Grammatical Questions.

(For those only who take Virgil.)

1. Decline, in the singular, *urbs antiqua*; and, in the plural, *animis coelestibus*. (Passage 1.)
2. Give the principal parts of all the verbs in Passage 2.
3. Parse fully:—"Ergo his aligerum dictis affatur Amorem." (Passage 2.)
4. What is meant by the *sequence of tenses*? Give, in English and Latin, *two* sentences in illustration.

ARITHMETIC.

(Time allowed—from 12.30 P.M. to 2 P.M.)

(*The working of these questions, as well as the answers, must be written out in full.*)

1. Find the value of 7 cwt. 3 qr. 24 lbs. 8 oz. at 12*l.* 10*s.* 8*d.* per cwt.

2. Simplify $\dfrac{3\frac{1}{2} - 2\frac{1}{5}}{3\frac{1}{2} \text{ of } 2\frac{1}{5}} \div \dfrac{4\frac{1}{2} - 1\frac{1}{4} \text{ of } 1\frac{2}{5}}{1\frac{2}{3} \text{ of } \frac{2}{3\frac{1}{2}}}$.

3. Express in shillings the difference between $3\cdot0693$ of 8*s.* 5*d.* and $\cdot641\dot{6}$*l.*

4. If the gas for 7 burners, 6 hours every day for 19 days, cost 8*s.* 6*d.*, for how many hours every day may 8 burners be lighted for 30 days for 11*s.* 4*d.*?

5. A man bought 120 lbs. at 2*s.* 8*d.* per lb., and sold $\frac{1}{4}$ of it at a profit of 5 per cent., $\frac{1}{3}$ of it at a profit of 15 per cent., and the rest at a loss of 10 per cent. How much money did he gain by this transaction?

6. How much 3-per-cent. stock at 93 could I purchase with the proceeds of the sale of 9,858*l.* 4-per-cent. stock at 131?

The following question must be attempted by every candidate:—

7. A wine-merchant bought 17 casks, each containing 2 hectolitres of wine. How much would he realise by selling all the wine at 2*s.* 4*d.* per pint?

ENGLISH.

(Time allowed—from 3 P.M. to 4.30 P.M.)

1. Analyse:—

"Sweet was the sound, when oft, at evening's close,
Up yonder hill the village murmur rose."

2. Parse fully:—

"Ill fares the land, to hastening ills a prey."

3. Explain the meaning of the following prefixes, and write words formed by means of them:—*in-*, *anti-*, *mis-*, *retro-*, *en-*.

4. In the following passage supply the necessary capital letters, and put in the stops and the inverted commas where necessary:—do you know nothing mr somerset not even law was the reply the answer is worthy of a sage returned his friend and you sir he continued turning to challoner as the friend of mr somerset may i be allowed to address the same question to you well replied challoner i play a fair hand at whist

The following question must be attempted by every candidate:—

5. Write a short composition on *one* of the following subjects:—

(i.) Cycling.
(ii.) The late war between Spain and the United States of America.
(iii.) Self-reliance.
(iv.) "Deep rivers move silently; shallow brooks are noisy."

Business Changes.

Notices of changes in the retail trade, and opening of new businesses, are inserted in this section free of charge, if properly authenticated.

The Western Drug Company will shortly open a new pharmacy at 606 Fulham Road, S.W.

Messrs Orridge & Co., Transfer Agents and Valuers, have removed their offices to 56 Ludgate Hill, E.C.

Messrs. Goldthorpe & Cook, chemists, Plumstead, have recently opened a branch at 152 Plumstead Common Road.

Mr. H. Ferryman, late of Fakenham, has acquired the business carried on for many years by Mr. O. K. Dawson at 62 Belle Vue Road, Southampton.

Mr. J. Turnbull has opened a branch pharmacy at Lytham Road, South Shore, Blackpool. Messrs. Ayrton & Saunders, Liverpool, supplied the fittings.

Mr. D. M. Forsyth, second dispenser in Edinburgh Royal Infirmary, is about to start business as a chemist and druggist in a shop in Bristo Street, Edinburgh.

Mr William Alfred Davies, son of Mr. W. Davies, has been admitted a partner of the firm of Davies, Gibbins & Co., wholesale druggists and manufacturing chemists, Derby.

Actiengesellschaft für Treber Trocknung Kassel have opened London offices at 19 Eastcheap, E.C., with Mr. Henry Ryding as manager, Messrs. Brummerstaedt & Lüders, 3 Cross Street, E.C., retaining the agency for acetic acid.

Mr. James Docker, chemist and druggist, has acquired the prescription-books and private recipes belonging to the Greenock Apothecaries' Hall, and has opened a new pharmacy, under the name of "The New Apothecaries' Hall," at 38 Hamilton Street, Greenock.

Mr. T. Maben, Hawick, has sold his drug business as from June 30 next, to Messrs. W. E. Wilson and Jas. Bain, Glasgow, both recently with the Glasgow Apothecaries Company. Mr. Wilson served his apprenticeship with Mr. Maben. Mr. Maben has sold his aerated water business as from May 28 next, to Mr. George Young, who is at present manager of his Jedburgh branch.

Pharmaceutical Society of Ireland.

Council Meeting.

THE monthly meeting of the Council was held on April 5 at 67 Lower Mount Street, Dublin. Present: Mr. R. J. Downes (President), Mr. Beggs (Vice-President), Mr. Grindley (Treasurer), Messrs. Bernard, Kelly, Michie, Porter, Wells, Professor Tichborne, and Dr. Walsh.

An Unqualified Poison-vendor.

The President read a letter from Sergeant Narrell, R.I.C., stating that at Moville Petty Sessions he summoned William Carlon for unlawfully selling poison (rat-poison) and for keeping open shop for the sale of poisons. The Magistrates were the Hon. E. Cochrane (Chairman), Mr. Hannigan, and Mr. Bradley. They convicted the defendant on the first charge, and imposed a fine of 5*l.*; but they added that that being the first case of the kind in the town, and the defendant having sold the poison in ignorance of the law, they recommended that the fine should be remitted. Mr. Bradley dissented.

The Privy Council Reject a Proposal.

A letter from the Privy Council Office stated that the Lord Lieutenant and Privy Council declined to approve of a resolution of the Council amending the regulation which relates to the botany and materia-medica courses by requiring that students who relied on attendance at schools outside that of the Society should produce certificates of having attended a course of twenty lectures in each subject of one hour each during three months. The Privy Council had written asking was this a reasonable and possible requirement from the outside schools; and the Council had replied that those schools had been recognised on the understanding that they would maintain that minimum.

Mr. Grindley said that under such circumstances the Council should not recognise any other schools than their own.

Mr Kelly: Would it not be well to write to the Castle pointing out that if this amendment be not allowed it will be possible for a candidate to take out the twenty hours in a week?

The President: A case occurred in which a candidate went to one school and was refused admittance unless he took out the lectures in the regular course. He went to another school, got through the lectures in a week, and got a certificate, which we had to accept.

Mr. Bernard: You should communicate with Sir George Duffey on the subject. If he recommended the amendment it would have been passed by the Privy Council.

Mr. Kelly: It is a positive insult to us.

Mr. Wells: They suspect everything that you do. They think you can do nothing with a good motive.

The Vice-President: You will have to fall back on a system of excluding all schools except your own.

Mr. Wells: It might be well to intimate to the Privy Council that we should regret being obliged to cease to recognise the outer schools if they are not kept on the same footing as our own.

On the motion of Mr. Bernard, seconded by Dr. Walsh, it was ordered that the correspondence with the Privy Council relative to the amendment should be brought under the notice of Sir George Duffey.

Another Fine Reduced.

A letter from the Under-Secretary, Dublin Castle, intimated that the Lord Lieutenant had been pleased to reduce a fine of 5*l.*, which had been imposed on John O'Meara, of Killimor, for selling carbolic acid in an unlabelled bottle, to 2*l.*

Mr. Bernard: It is not Government funds that they are giving away.

The Vice President: Would they reduce anything in the Excise Department?

The Council and the Constabulary.

A letter from the Inspector-General of the Royal Irish Constabulary requested the Council to make communications to the constabulary to the superior officers of the district and not to subordinate members of the force.

Mr. Wells pointed out that section 16 of the Pharmacy (Ireland) Amendment Act of 1890 directed that the Registrar of the Council should send copies of their registers to the inspectors of weights and measures in each constabulary district. When sergeants of constabulary were appointed inspectors of weights and measures their superior constabulary officers had no control over them. They could prosecute or not, as they thought fit.

The Lord Chancellor's Bills.

A letter from the Secretary of the Lord Chancellor of England acknowledged the receipt of a communication from the Council on the subject of the abuse of the Companies Acts by unqualified persons.

The President said he received from the Editor of The Chemist and Druggist copies of two Bills which had been introduced in the House of Lords by the Lord Chancellor the day after the Bills were printed. Having read the Bills, as well as the memorandum preceding the Pharmacy Bill, to the Council, he said, with regard to the statement that a "company" could not pass an examination, a firm could do so, and he (the President) maintained that a "company" could in the same way that a "firm" could.

Mr. Wells: This Bill is for England only.

Mr. Grindley: It is the thin end of the wedge.

The President: It is to be noticed that "apothecaries" are not included in the Medical Bill; and that the Attorney-General, replying to a question in the House the other day, said he had received a resolution from the Corporation of Dublin suggesting that the Companies Acts should be amended so as to prevent a company, any of the members of which were not qualified as apothecaries, from carrying on the trade or business of an apothecary. There is nothing about apothecaries in the resolution of the Corporation; and also the Lord Chancellor, in his communications with us, always refers to our seeking amendments in connection with the abuse of the Medical Acts This leads me to think that the Government have an idea of dealing with the compounding of prescriptions as the act of an apothecary, and separate from that of selling poisons; and I have addressed a letter to the Chief Secretary on the subject. You are aware that the Act of 1868, which is dealt with, does not extend to Ireland, nor would any amendment of it do so, so that we have no direct interest in that Act. You are also aware that the same Act advocates only the right to "keep open shop for the retailing, dispensing, or compounding of poisons" to chemists and druggists, but does not extend to the compounding of medical prescriptions, so that the latter subject is not within view of the amendment; and it may be a question whether the pharmacists of Ireland ought not to lie low, and await developments, a greater reason for which would be that apparently the Council of the Pharmaceutical Society of Great Britain do not desire that we should meddle in their affairs. I should be very sorry to do so except where their interests affect us. It is a question also whether the Lord Chancellor has not thrown out these two kites to find the strength of the wind, and in what direction it is blowing. He tables his Bills, and says to the representatives, "Which will you endorse?" When he gets the answer to that question, he will be in a position to apply the accepted principle to all the interests concerned. This view makes it a necessity for us to oppose the measure on principle with all the influence we can command. We cannot help interfering. First, there is the giving away of titles, and this without repealing the Act of 1852 or cancelling the Charter of 1843. But the lower question of the right to "keep open shop" is the marrow of the contention, and we cannot allow that to be given away in one part of the kingdom, for this could not be done without serious risk of its being applied to our part. Ireland is often favoured with special legislation, and the conditions of the two countries are dissimilar; we have, however, a large contingent of druggists in the country, and, although they have not shown themselves cordial, I am unwilling to separate ourselves from them in this matter. All I have written and every argument I have used have been for their benefit, and will continue to be, for I believe the principle I have advocated can only be applied as a principle to all having similar rights and interests, and,

cannot be given to a profession and withheld from a trade, which similarly requires education and examination prior to registration as evidence of qualification. If you take my view, that we must fight this question on the present Bill, I will ask you to make arrangements by which you can be effectively represented in the lobby of the House. My business will not allow me to spend my time there, and I will cheerfully vacate the honourable position I hold to enable you to place someone with more freedom in the position of President.

Mr. Wells remarked that in the Medical Bill the object of the prohibition was a "limited company," whereas in the other Bill the words were "a company," which meant any company. It was extraordinary that this protection should be extended to dentists. He maintained that the profession of a pharmaceutical chemist was much more important to the public than that of a dentist.

Mr. Michie: Have the dentists a representative on the General Medical Council?

Mr. Wells: They have We have not got that yet.

Mr. Grindley: I think the Lord Chancellor finds that the English Society is not tractable, and he is putting down his foot and bringing in this Bill in order to bring them to reason.

Mr. Bernard: I don't grudge the English Society any treatment they get.

The President: Will you take any steps to fight this question on principle?

Mr. Wells: I don't know what you can do. This is an English Bill. What have we got to say to it?

Mr. Bernard: Someone may propose that it be extended to Ireland.

The President: If the principle goes against us in this English Bill it may be carried out here.

Mr. Kelly: Can we educate the Irish members as to what we want?

The President: As far as I can understand, the Irish members are all with us in the matter.

Mr. Wells: One member told us that the whole Irish party will vote with you.

The President: Our own member (Mr. Campbell) is with us, but he is with the Government. We have not approached Sir James Haslett yet.

The Vice-President: I propose that you write to Sir James Haslett asking for an interview, and if you receive a favourable reply go down to him. It would be well to see Mr. Campbell also.

Mr. Wells: What about the Nationalist members?

The President: We have written to them, but they are very busy just now.

The motion of the Vice-President was agreed to.

Professor Tichborne observed that in the Medical Bill there was nothing about "apothecaries," so that, in order to evade its prohibition, it would only be necessary for a person to be registered as an apothecary, and then he could conduct any of the prohibited pursuits.

Dublin Council on Company-pharmacy.

A letter from the Town Clerk of Dublin enclosed the following resolution, which had been passed by the Municipal Council on March 20:—

That this Corporation, having read the complaint of the Pharmaceutical Society of Ireland, and the correspondence in support of it, we affirm that it is a scandal that persons incriminated and fined for a breach of the pharmacy laws may, under cover of the Companies Act, continue to "keep open shop" in contravention of the statutes, which require that the person keeping open shop shall be qualified by examination, and that "protected capital" should have powers and privileges in excess of what the individuals have of trading as a firm. And we are of opinion that in any amendment of the Companies Act it should be defined that persons may not be incorporated to pursue a calling or use titles which they may not, as individuals or as a firm, follow or use. And that a copy of this resolution be sent to the Lord Lieutenant, Lord Chancellor, and Attorney-General in Ireland; and to the President of the Board of Trade, the Lord Chancellor, and Mr. Balfour in England; and also to our city representatives in Parliament.

Dublin Corporation on the Sale of Poisons.

The Public Health Committee of the Dublin Corporation at a subsequent meeting resolved, on the suggestion of Sir Charles Cameron, to forward to the Premier, in view of further legislation, the following recommendations as to the sale of poisons, contained in a paper by Mr. R. J Downes, President of the Pharmaceutical Society of Ireland, which was read before the Public Health Congress:—

(*a*) That "wholesale dealing" should be defined as (1) a sale to a person qualified to sell by retail; (2) a sale to a manufacturer for use in the process of his business; and (3) a sale to public bodies who usually buy by contract. (*b*) That the principle of qualification of the proprietor should not be departed from. (*c*) That "poisonous substances" recognised to be poison should be added to the poison-schedule. (*d*) That potent and seductive poisons in prescriptions should not be repeated except by the special direction of the prescriber. (*e*) That poisons may not be kept or sold in the shop or room in which groceries and excisable liquors are sold or kept, or in bottles in common use for the containing of beverages. (*f*) That a legal as well as a moral obligation should rest on the public as to storing and distributing poisons.

The Opinions of Irish Councils.

The Registrar said letters had been received showing that similar views had been adopted by the Blackrock (Dublin) Urban District Council, the Drumcondra and Clonliffe Urban Council, the Carlow Urban Council, and the Carrick-on-Suir Council, whose letter stated that they were "unanimously in favour of the views of the Pharmaceutical Society of Ireland as to the importance of having none but those who were qualified by education and profession dealing with or in any way disposing of drugs and medicines to the danger of the public." Letters from a number of other public bodies either said they had not yet discussed the subject, or that the communications of the Society to them had been marked "read."

Revolt of the Assistants.

A letter from the Irish "Pharmacists' Assistants' Association," in reply to a remonstrance from the Council as to the use by that Association of the title "Irish Pharmacists' Association," stated that they "failed to see anything misleading in the use by them of that title, and that they did not consider any explanation necessary." The letter was signed by the President and Hon. Secretary of the Association.

The President said the Association used the title on tickets which they issued for an entertainment.

The Vice-President: I think a very strong explanation is required. At my suggestion we gave them the use of the rooms of this Society. I am sorry to see that they have taken up such an attitude, and I think we should now ask them to procure rooms for themselves.

Dr. Walsh: When we wrote to them in the spirit in which we did, I think they ought to have fallen in with our views.

Mr. Wells: All along the Council have tried to meet them in the most friendly spirit, and to encourage them in every way, and I think their letter is very uncalled-for and most discourteous.

Mr. Kelly said he did not agree with the letter; but, on the other hand, he did not think such a small matter worth taking notice of.

The President said he was surprised at the tone of the letter, and he thought the Association should be informed that, if they persisted in using the title in question, the Council would have to reconsider their position towards them.

The President's suggestion was approved of.

Are Preparations of Carbolic Acid Poisons?

The Registrar read a correspondence relative to the introduction of certain preparations in a "Sale of Poisons Registry-book" published by Mr. James W. Wilkinson, of Manchester. Messrs McMaster, Hodgson & Co., of Dublin, wrote to the President on March 23, objecting to the introduction in part 2 of the list of "preparations of" carbolic acid. Mr. Wilkinson, they said, had informed them that it was the President who had supplied them with the list; and the letter asked Mr. Downes by what authority he made out the list, as in their view the order of the Privy Council applied to phenol (carbolic acid) only. To this the President replied that he had only followed the judgment of the Courts, which was that the sale of a preparation containing a scheduled poison was a sale of the poison. In a

letter of March 24, Messrs. McMaster, Hodgson & Co. dissented, urging that it could not have been the intention of the Privy Council that a cake of carbolic soap or a box of carbolic tooth-powder was not to be sold except by a pharmaceutical chemist or a registered druggist. A letter from Messrs. J & J. Haslett, druggists, of Belfast, pointed out that according to the calendar phenol only was scheduled, and not its preparations, and asked the opinion of the Council on the matter.

The President said the preparations he put into the list were carbo ic acid lozenges, carbolic glycerin, carbolic oil, carbolic lotion, and sheep-dips containing carbolic acid. His impression was that any preparation containing free carbolic acid came under the specification of "carbolic acid," but if combined in soap it did not.

Mr. Wells said he thought the answer the President gave to Messrs. McMaster, Hodgson & Co. a fair one.

Mr. Kelly: If McMaster, Hodgson & Co.'s contention be right, it will enable hardwaremen throughout the country to sell things which we call poisons to the detriment of the public.

After some discussion, it was ordered that the writers of the letters should be informed that the Courts had held that any preparation containing a proportion of any scheduled poison sufficient to cause death is a poison within the meaning of the Poisons Act.

Thanks

were voted to the Pharmacy Board of Queensland for a copy of their register, and to the ladies' committee and the artists who had assisted at the social evening recently held by the Society.

Other business, including reports, having been disposed of, the Council adjourned.

Evening Meeting.

The President on the Lord Chancellor.

On Monday last, at the usual fortnightly meeting of the Society held at Dublin, Mr. R. J. Downes (President) opened the proceedings with some remarks on the Bills introduced into the House of Lords by the Lord Chancellor. He said since their last meeting matters had developed in Parliament in a fashion which it was impossible to anticipate. The Lord High Chancellor of England had tabled two Bills for the acceptance of Parliament, exhibiting a thorough absence of principle or honour, on the one hand conceding to a section what was justly demanded for the whole, and giving away the statutory rights of pharmaceutical chemists and chemists and druggists. On this subject he commended the articles in the current issue of the *Pharmaceutical Journal*, which were clear, logical, and moderate. The principle involved was so distinctly that which the Irish Pharmaceutical Council had been contending for, that they could not sit quiet, although the present Bill applied only to Great Britain; for if it was not fought out at the present stage, or if the battle went against the Society of Great Britain, they could not but expect to share in the defeat, and to suffer the consequences. The organ of the Pharmaceutical Society of Ireland was not to be taken as representing the views of the Council, and it was unfortunate that the editorial department of The Chemist and Druggist failed to appreciate the position of the Irish pharmacist. In the penultimate paragraph of a letter drafted by the editor for the use of chemists and druggists who desired to write to members of the House of Lords would be found an absolute giving away of the principle for which pharmacists were contending—that of qualified proprietorship. They were not contending for qualified managerships. To admit that the directors of a company being qualified would meet their case would be to shift their ground from the qualification of the proprietor to the qualification of the manager, and would leave them that any partnership might keep open shop provided it be "conducted by a manager or assistant being a duly registered pharmaceutical chemist or chemist and druggist, as the case may require." Rather than accept that it were better to have their Act repealed. The next meeting would be the closing meeting of the session, and if the report of the committee were adopted he hoped to give an opportunity for the open discussion of the question. They could not pass any resolution at the present meeting, as no notice had been given to the members, so they had better pass on to the special subject for the evening.

Poison Regulations.

In putting this question down for discussion the President said he had in view the probability of the Government bringing in again the Bill with which pharmacists were threatened last Session, or something on similar lines. The fact that the Pharmaceutical Society of Great Britain, either out of panic or good humour, or, perhaps, gratitude, had, after twenty-eight years' resistance, at last adopted regulations which were only applicable to themselves, while the drysalter, dispensing doctor, and the public were entirely free, brought the question home. Should the Pharmaceutical Society of Ireland encourage the imposition of similar bondage, or should they look for a measure providing more effectually for the protection of the public against their own careless or reckless habits? The members of their calling, he maintained, had always regarded their responsibilities and acted up to them. So far as general caution and special precaution could prevail they had consistently adopted methods which would assist the public to guard against risks if the public would only second their efforts. The pharmacist's sense of responsibility was the best guarantee the public could have, and he was convinced that the less mechanical their safeguards were the better was the security against slip-shod habits. He was not advocating any looseness or want of system, but he maintained that the system of each establishment must be one fitted to it by natural process of convenience and necessity. No "State regulations" could take the place of intelligent observation and moral rectitude combined with a sense of legal responsibility. But in their transactions with the public the case was different. The public required to be trained to recognise a danger, and should be served so that the uneducated might be able to recognise the necessity for caution at once. For that reason, he thought, for the sake of uniformity amongst dispensers of poisons there should be a stereotyped practice, and that could not be secured except by enactment of some kind. Formerly the poison-label bore the skull and cross bones, which, he thought, was unwisely discontinued; the most illiterate understood it. Accidents mostly occurred, not through the druggist's carelessness, but through that of the public, and he strongly contended that regulations to be effective must be binding on the public. He refused to put ½ oz. of sugar of lead into a quart whisky-bottle with a ½ pint of vinegar and filled up with water, for though he labelled it "Poison" and gave a full caution, if an accident occurred he knew he would have to bear the censure of the Coroner and the suspicion of carelessness; but vexed at his refusal the purchaser bought the ingredients and mixed them in a bottle with the vinegar-label not removed. That person should bear whatever punishment the State would impose on the pharmacist if he were the seller and did likewise.

Mr. O'Connor, Dr. McWalter, and others discussed the subject, but no resolution was adopted.

Bankruptcy Report.

Re Harry Bentinck Budd, Charters Towers, Lingfield, Surrey, formerly Patent-medicine Manufacturer and Vendor.

The first meeting of creditors of this debtor, particulars of whose failure were given in last week's issue, was held at East Grinstead on April 7. No scheme of arrangement or composition was submitted, and it was accordingly determined that the debtor be adjudicated a bankrupt. Several questions arose concerning proofs tendered, and some were rejected for voting-purposes. There was considerable discussion on these, and eventually Mr. F. W. Davis, chartered accountant, Finsbury Pavement, E.C., was appointed trustee, with a committee of inspection.

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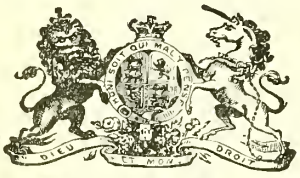
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Editorial Comments.

The Real Managers.

CHEMISTS all over the country have applied to us for reprints of the Appeal to Members of the House of Lords which we offered last week, and many of them have expressed cordial approval of our action. There was one controversial point in the Appeal to which we called attention when we published it. It was the suggestion that if Parliament would not consent to prohibit companies altogether from carrying on the business of pharmacy it should at least be provided that no

company should carry on such a business unless all its directors were properly qualified. No doubt this may seem too much like a compromise to those who aim at obtaining statutory recognition of an ideal condition of pharmacy in this country, and we cannot be surprised that the suggestion should be denounced in some official quarters. The President of the Pharmaceutical Society of Great Britain says the idea is impracticable, for the reason, as we understood him, that some of the great stores would not like it; and the President of the Pharmaceutical Society of Ireland regards the concession as "an absolute giving away of the principle for which pharmacists were contending, that of qualified proprietorship." We do not think this is a fair description of the proposed policy. We have to deal with facts and conditions very different from those which existed in 1868, when the British Pharmacy Act was passed, or in 1875, when that of Ireland was enacted. Since those dates the transfer of private businesses to public companies has taken an enormous development. Every kind of enterprise has been brought within the scope of joint-stock and limited-liability principles, and, although we are perfectly aware that many chemists' companies have been formed with the express object of evading the Pharmacy Act, it must not be forgotten that many others have been established on what may be distinguished as a legitimate-company basis. Many important chemists' businesses both in Great Britain and in Ireland have been formed into companies, and are conducted, managed, and almost owned entirely by qualified chemists and druggists, and if such companies allow unqualified persons to be shareholders the effect is not different from that of a private pharmacist accepting a loan from an unqualified friend or relative. The suppression of company-pharmacy could never be carried through Parliament without this condition of things being fairly and fully considered. The companies referred to would themselves insist on some provision being made for their continuance. It is certainly not for those who have shirked the question for twenty years to pose now as the advocates of an ideal condition. It is their inaction which has created the difficulty. This remark does not apply to the Council of the Pharmaceutical Society of Ireland.

The advantage of consenting to such a concession as has been suggested would be that we should thus accomplish all that we can hope now to get by the very way advocated by the Lord Chancellor himself. His proposal is (or was) to make it legal for a company to carry on a pharmaceutical business so long as it is under the management of a qualified chemist. We say, in reply to this scheme, that the nominal manager, if he be an employé, is not the actual conductor of the business. We wish to give real effect to the Lord Chancellor's proposition, and we inform him, and he must be aware, that those persons in whom vests the power to engage and dismiss assistants, and to dictate the policy of the business, are in fact and in law the real managers. Let him insist that they shall be qualified, and we shall be content.

Lastly, it must not be forgotten that we should have to meet in Parliament the powerful argument that a chemist's and druggist's business is not a personal profession like that of a physician or surgeon. It may be heroic to insist that the circumstances are exactly similar, but the facts are against us, and assertion to the contrary will not carry conviction to legislators. A very large part of pharmacy is trade pure and simple, and Parliament will not be able to see why this part at least should not be undertaken by a company. The Irish President knows better than anyone else that the High Court of Ireland saw an essential distinction between companies of pharmacists only and companies of all-comers, and, practically, the difference was that which we have indicated. He says we are giving away the principle for which pharmacists are contending. We say we are seeking to secure for qualified pharmacists their rightful privileges, including the right to make such use of the limited-liability principle as may be compatible with our claim that company-registration shall confer no qualification. The only question is whether we shall strive for a provision which it is reasonable to suppose we might obtain, or whether we shall keep this question open for another twenty years because we insist on what is practically a hopeless object.

Medical Journals on the Lord Chancellor's Bills.

It is clear that in contending against the Lord Chancellor's Pharmacy Bill it will be vain to look for much assistance from our friends of the medical profession. Their sympathy with pharmaceutical grievances seems to begin and end at the dinners which they are sometimes good enough to attend. Their cynical indifference to our interests, now that they have been bought off by the Lord Chancellor's associate Bill, is unpleasantly illustrated by articles in last week's *Lancet* and *British Medical Journal* and in this week's *Medical Press*. The first-named journal, while pointing out in a general way that "the principle of incorporation was never meant to be used to legalise an action on the part of a member of a limited company which would be illegal and punishable if committed by the same individual in a private capacity," expresses satisfaction with the Bill, and ignores the omission of pharmacists altogether. The *Medical Press* carries on the good old complaint of the little the State does for the medical profession, but is equally indifferent to the abandonment of pharmacists. The writer of the *B. M. J.* article finds the Companies (Medical Profession) Bill a good one, and is willing to "gratefully accept the good the gods provide for us, hoping at the same time that it may be an earnest of better things in the future than the half-hearted legislation of the last half century." That means more monopoly, suppression of chemists prescribing, and so forth. The Lord Chancellor's Bill the *B. M. J.* regards as preferable to the late Lord Herschell's proposed clause in the Companies Acts Amendment Bill, for the reason that Lord Herschell proposed to deal similarly with pharmacy. The Lord Chancellor, on the other hand, recognises that "although there are points of close similarity, there are differences and difficulties in the case of pharmacy arising from trade operations, which do not exist in the case of medicine and dentistry" Exactly; the trade operations of Lewis & Burrows's Drug-stores (Limited) might be interfered with.

We have previously said that we pharmacists can have no objection to the Companies (Medical Profession) Bill. We do not quite understand it, and we are not sure that the Lord Chancellor does either. We presume it aims to prevent companies assuming the titles named, but it does not say so. To prevent companies "carrying on the profession or business" of the parties named is vague. Anyway, companies have invaded pharmacy to a far greater extent than they have medicine, and therefore we have interests at stake far greater than those of medical or dental practitioners, so that if the journals quoted fairly express the views of the profession our course is plain. We want the aid of medical men, and must make them want ours; but it may be we shall have to extort their friendship by opposing their Bill until such time as they are willing to work with us and for us.

Companies at the Cape.

Our Cape Town correspondent calls attention to a difficulty which has arisen in the colony between the Treasury and the representatives of A. J. White (Limited) in regard to the payment of the annual joint-stock companies' licence. This licence is a new tax created by an Act promulgated on December 30, 1898, which provides that "every joint-stock company carrying on business in the colony shall annually take out a licence, for which there shall be payable for every 100*l.* or fraction of 100*l.* of the subscribed capital of such company 1*s.*" The Act came into force on January 1 of this year, and the representatives of A. J. White (Limited) object to the tax of 500*l.* which is demanded from them in respect of the million pounds paid-up capital of the company. The demand certainly seems stiff for an annual licence, but it is according to the Act, from which we quote the section dealing with the matter:—

The term "joint-stock company" shall, for the purpose of the above licence, be taken to mean:

(*a*) Every company having a capital stock divided into shares, of which the chief seat or principal place where its business is managed shall be within this colony.

(*b*) Every such company of which the chief seat or principal place where its business is managed shall not be in this colony, but of which any of the dealings or business of such company shall be carried on within this colony, either by directors appointed to carry on such dealings or business, or by a managing director, manager, secretary, or agent on behalf of such company. [Provided that when the only business carried on by any company in this colony shall be the registration of transfer of shares in the said company], such company shall annually take out a licence for which there shall be paid the sum of 5*l.* in lieu of the aforesaid licence. Provided, further, that nothing herein contained shall in any way alter or affect or apply to the licences of such companies as are regulated by sections 11 or 12 of the Act 38 of 1887.

The exemption of companies under the 1887 Act refers solely to insurance companies, societies, or associations which are joint-stock companies, and not mutual assurance companies. The phraseology of clause *b* has given rise to some doubt as to whether companies whose chief seat or principal place of business is not in the colony should pay the 1*s.* per 100*l.* on the whole capital or merely an annual licence, and colour is given to that view if the sentence which we have placed in brackets is slurred over. A careful reading, however, shows that home companies are exactly on a footing with colonial companies. This view has already been the subject of an interrogation in the House of Commons, Mr. Clough, M.P., having on March 20 asked Mr. Chamberlain to use his influence to modify the Act, which the Colonial Secretary peremptorily declined to do. The following is the *Times* report of what was said:—

Mr. Clough (Portsmouth) called attention to an Act passed by the Cape Legislature, which, he said, seriously affected limited companies trading with the Cape Colony. It was an Act entitled "An Act to Amend the Law Relating to Licences and Stamps." By this Act a tax of 1*s.* per cent. had been imposed on the paid-up capital of companies trading with the colony, and this, in round figures, represented a tax of 1½ per cent. on the trade done with the colony.

Mr. Chamberlain: May I ask the hon. gentleman when this Act was passed?

Mr. Clough: Quite recently.

Mr. Chamberlain: In what way is it suggested that we should interfere with that Act?

Mr. Clough said his object was to call the attention of the right hon. gentleman to this tax, which was very seriously affecting the Cape trade in London, with a view to getting him to bring what influence he could to bear on the Cape Legislature.

Mr. Chamberlain: I have no influence whatever. I would not interfere on any account. It concerns solely the Cape Parliament.

Mr. Clough said he would, nevertheless, finish his statement.

The Chairman: Order, order. Unless the hon. member can show that the Secretary of State for the Colonies can forbid the passing of the Act, or withhold his assent from it, I do not see how the hon. member can raise the subject. He ought to raise it in the Cape Parliament. (Laughter.)

Mr. Clough said he had been asked to bring the matter before the House by many English traders who were seriously affected, but after the answer of the right hon. gentleman it would be useless to say more.

The present attitude of the Government towards the colonies, and the common desire that the colonies should manage their own affairs, do not encourage opposition to the Act from this side; were it a Bill something might be done. Companies here must, therefore, make the best of the matter, and if they wish to establish branches or agencies in Cape Colony, these should be made separate undertakings, with capital and management distinct from those of the home companies. This should not be difficult to arrange, and we are surprised that the managers of A. J. White (Limited) do not take that way out of their difficulty instead of migrating to Natal. We have quoted the section of the Act, so that limited companies having business relations with Cape Colony may judge whether they are liable or not. It will be noted that an office or branch in Cape Colony is not the only condition essential to the tax; any firm or individual there acting as the agent for a limited company here becomes liable on behalf of his principals to the tax, and as a traveller representing a company is an agent having "dealings or business within the colony," his presence there makes his principals liable to the annual charge of 1*s.* per 100*l.* of nominal capital. In short, limited companies outside the Cape who wish to do business there and escape the tax must be careful to sell their goods here, and must also take care that wholesale dealers there who sell the goods do not represent themselves as their agents.

THE "DAILY NEWS" ON THE LORD CHANCELLOR.

Commenting on the announcement of the Lord Chief Justice, regarding his intention to introduce into the House of Lords a Bill to render secret commissions illegal, the *Daily News* remarks:—"The Lord Chancellor will probably oppose Lord Russell's Bill. He holds the theory that legislative interference, even if directed against fraud, checks the development of commercial enterprise. This obstinate prejudice of his has delayed for years the passing of the Companies Bill."

COCAINE-TESTS.

The note which we publish in this issue from Dr. Schaefer, chief chemist to the New York Quinine and Chemical Works, on the purity of cocaine is an opportune addition to the note on Dr. Günther's work which we published on March 18. It will be remembered that Dr. Günther reported that cocaine hydrochloride of commerce contains an alkaloid isomeric with cocaine, but which is much less soluble than cocaine, so that McLagan's ammonia-test is really a test for this isomeric alkaloid. It is within our knowledge that Dr. Schaefer has been working on this subject for a long time, and actually isolated the isomeric alkaloid in September last. We have tried the new test, and hope to say something later about the new alkaloid which is called "cocainidine." Its physiological action has been determined by a New York pharmacologist, who finds it to be milder in action than cocaine, and that it has not the paralysing effect of the latter. This is assuring, because until the Pharmacopœias recognise Dr. Schaefer's test, or one equally delicate, cocaine containing cocainidine will remain "official."

A DOG-EPIZOOTIC.

A form of gastric catarrh or gastro-enteritis is now very prevalent among dogs, and especially affects those of from

two years old and upwards. The symptoms are stiffness, muscular pain on being made to move, excessive thirst, and vomiting immediately after drinking, constipation, followed in many instances by blood-stained and loose evacuations, collapse, and death. Throughout, the breath is offensive, and some dogs suffer gangrene of the tongue and membranes of the month. Fatal termination is reached on the third day in some instances, and a crisis on the fifth in the majority. Ten days is about the duration of the disease in animals which recover. Much loss of flesh and weakness are the consequences. The best treatment is that of hydrocyanic acid and bismuth, proportioned to the size and weight the animal. Cooked milk should be recommended at first, and later on meat essences, returning to solid food by slow degrees.

THE ASKESIAN SOCIETY.

The following comment appears in *Notes and Queries* of April 8:—"On 29 January, 1898, THE CHEMIST AND DRUGGIST published as an illustrated supplement a history of the firm of Howard & Sons, the well-known chemical-manufacturers of Stratford, whose firm has been in existence just a hundred years. It was founded by Luke Howard and William Allen, who, with other scientific men, established the Askesian Society, of which Astley Cooper was a member. Amongst the subjects discussed was that of laughing-gas, then recently discovered, and it was before that Society that Luke Howard read his paper on 'The Nomenclature of Clouds.' I had never heard of this society before I read the account of it in the supplement to THE CHEMIST AND DRUGGIST, but I find that it is mentioned in Haydn's 'Dictionary of Dates,' where it is stated to have been ultimately merged into the Geological Society. It may possibly happen that the records of the Askesian Society are still in existence.—R. B. P."

ANALYTICAL CONTROL.

We mentioned in a recent report of the annual meeting of the Institute of Chemistry that Dr. Stevenson (the President) in his address alluded to the recent establishment of an association for certificating foods and similar commodities. The publication of the official report of the meeting now enables us to give Dr. Stevenson's own words on the subject, which are included in the following passage:—

> There is a tendency of sanitary authorities and public and private bodies to do the work of professional chemists in their own laboratories in what I think is an unjustifiable manner, and to oust the private analyst—who is not, if a member of the Institute, allowed to advertise or tout for practice—by advertising, sending out prospectuses, lists of fees, and even by touting circulars, thus interfering with the analyst who endeavours to carry on his legitimate professional work. A county council asks all its sanitary authorities to submit analytical work to its public analyst at fees which could not be remunerative to a private practitioner, these fees to be paid to the county treasurer; a company or association seeks for practice on purely commercial lines, at small analytical fees, but does not venture to put forth one qualified professional chemist among its staff; a noble institute does not tout, but sends a list of fees on application, and utilises its laboratories—established, equipped, and endowed mainly by private benefactors—for the purpose of augmenting its income; and, finally, a system of analytical control under the supervision of experts whose names are advertised for the benefit of the public is established with the avowed object of protecting the public against fraudulent traders.
>
> Against many of such doings your Council has, through its officers, made energetic protest, and has drawn the attention of those who may be expected to direct or control the actions of some of these various public, quasi-public, and private bodies, to their unprofessional actions.

This reference to unprofessional actions was sharply objected to by Mr. Cassal, and, we believe, the last of the affair has not yet been heard.

CANCER.

The April number of the *Practitioner* is specially devoted to cancer, on which subject there are in it contributions by Dr. A. Newsholme, Dr. Roswell Park, Mr. Alfred Haviland, Mr. D'Arcy Power, Mr. H. G. Plimmer, Professor J. McFadyean, Dr. Watson Cheyne, and Dr. W. B. Coley. All sides of the subject, from statistics to operative treatment, are dealt with, and for those specially interested in cancer a more concise symposium on the subject would be difficult to find. Curiously, there is no reference in the number to the observations by Dr. Bra which have resulted in the isolation of a cancer "parasitic fungus," and about which he wrote in *La Presse Médicale* of February 22. Dr. Bra has been working on the subject for four years, and in his paper he describes the isolation of the parasite, which was effected by putting the freshly-incised cancerous growth in carbolic water, cutting it into small fragments, dipping these in sulphuric ether until saturated, then lifting each piece with forceps and igniting it at a flame, allowing it to burn for a second or so. The pieces so treated are next used for direct culture in sweetened sterilised milk at a temperature of 30° to 35° C. for about twenty-four days. The culture is not, of course, pure, but the specific cancer micro-organism forms a globular pinkish tuft at the bottom of the culture-tubes. A second culture from the rose-tinted matter is made in blood, especially the blood of cancerous subjects. Dr. Bra gives figures of the parasite, which is a globular micro-organism. He has also cultivated it in agar-agar and other media, the results of the experiments being detailed. He shows that the same organism exists in cancerous tumours, and he has found it in uterine blood of a patient suffering from cancer of the womb. The organism is easily coloured with hydro-alcoholic solutions of aniline colours, and Gram's method, with safranin applied directly to the blood, colours the organism a violet tint, and the blood-corpuscles rose. The telegraphic reports about Dr. Bra's discovery, which have appeared in our daily papers this week, are traceable to a clever stroke on the part of the Paris *Figaro*, which brought Dr. Bra's discovery before its readers last week as a good setting to a reference to the new Pasteur monument at Lille. Dr. Bra is a medical recluse, and not in the Paris scientific swim, so that his results have not awakened much interest in medical circles, and to the *Figaro* is really due the credit of bringing his research into prominence. Dr. Bra's research does not lead up to any new method of treating cancer, and the published references to his "cure" are entirely erroneous.

OMAR AND HUNYADI.

The *Westminster Gazette* tells us that Mr. Justin Huntly McCarthy was lecturing at Brooklyn, N.Y., the other evening on Omar Khayyam, the Persian poet, who has been so successfully talked about by *literati* that commonplace book-lovers wonder how little they know. That appears to have been the feeling of one of the audience in Brooklyn, who expressed to Mr. McCarthy great gratitude for the lecture, because, he said, it made it so clear that Omar Khayyam had no connection, as he had thought, with Hunyadi Janos.

THE MONTH'S NOTICE.

It is already established in the drug-trade that, if there is no agreement to the contrary, a month's notice is requisite in the discharge of assistants. At Penderyn Petty Sessions the other day a grocer's assistant sued his late employer for a month's wages in lieu of notice. Counsel for the defendant pointed out that in the case of Bound *v.* Lawrence it had been decided that a grocer's assistant was not a workman within the meaning of the Employers and Workmens Act, under which the plaintiff sued. The Bench concurred with this view, and the assistant lost his case.

THE NIGHT FEE is a new medicine-tax in Lübeck, Germany. It is 25pf. (5*d*) for dispensing anything between 10 P.M. and 6 A.M.

The Council of the Pharmaceutical Society of Great Britain.

THE candidates for the election to the Pharmaceutical Council under the new Act are now officially annonnced. Under the provisions of the Act of 1898 only seven members out of fourteen now retire annually, and, similarly, there are only seven seats to fill. All the retiring members this year offer themselves for re-election, bnt six outside candidates appear to contest their claims. The competitors are therefore as follows:—

Alexander Bottle	J. W. T. Morrison (Tring)
A. S. Campkin	C. J. Park
M. Carteighe	J. Smith (Liverpool)
G. C. Druce	A. Southall
W. S. Glyn-Jones	R. E. Wright
J. F. Harrington	J. R. Young
J. Harrison	

We have not asked the retiring members to give us their views, because we presnme they may all be taken to agree with the Counci 's general policy. We shall be glad, however, to hear from any of them. Bnt it is specially desirable that all who vote should have some acquaintance with the personality and the opinions of the ontside candidates who now offer themselves, and in order to ascertain these we have submitted to them the following short series of questions. We knew of the candidature of Mr. Morrison, of Tring, and of Mr. Smith, of Liverpool, too late to get their opinions for this issne; of the others Mr. Campkin and Mr. Drnce replied to our questions categorically, while Mr. Glyn-Jones and Mr. Wright sent us letters which dealt with pharmacentical politics generally (the latter through the Chairman of the Chemists' Assistants' Union). We therefore do not find it possible to give the views quite uniformly. They can, however, be collected from the subjoined:—

Mr. A. Sydney Campkin, J.P.

Mr. W. S. Glyn-Jones.

Mr. G. Claridge Druce, M.A., J.P.

1. *Please indicate the special qualifications on which you rely as recommending you to the electorate.*

Mr Campkin states that he has been actively engaged in retail, wholesale, and dispensing bnsinesses continuonsly since 1860; in business in Cambridge since 1868. Member of the Pharmacentical Society, Vice-President of the Cambridge Pharmacentical Association, member of the Cambridge Board of Guardians for the last twenty-five years, and of the Cambridge Town Council for the last fifteen years, and member of many committees of these bodies. J.P. for the borough for the past eight years; director of the largest affiliated friendly society in the world—the Manchester Unity—since 1884; Grand-Master in 1890–91. Registered dentist. Governor of Addenbrooke's Hospital; auditor and member of the Drug Committee. Wonld be almost as accessible for committee-work as if resident in London.

Mr. Druce: I can only urge that I have had a considerable experience of retail pharmacy, and that, having filled the office of President of the Nottinghamshire Pharmaceutical Association, and President of the Oxford and District Chemists' Association, I may have some claim to know the feeling of my *confrères*, and that I was for nearly ten years a member of the examining board of the Pharmaceutical Society.

2. *In seeking election to the Council, do you propose to advocate any special departure in policy, which a retiring councillor has not advocated or carried out?*

Mr. Campkin: It is rather difficult to ascertain from the pnblished reports—as so mnch of the administrative work is done in committee—the policy of any specially-retiring councillor. Could reply with greater confidence to any specified question.

Mr. Druce: It is very difficnlt to find out what policy each individual member of the Society may have suggested or advocated. I am afraid we are all cognisant of what they have not succeeded in doing.

3. *Do you support the policy of the present Council, as indicated by the suggestions for a draft Pharmacy Bill lately submitted to the Lord Chancellor?*

Mr. Campkin: Not entirely. Clause 3 needs amplification with regard to the definition of the seller, dispenser, or compounder. No chemist should take an apprentice who has not passed the Preliminary examination or its equivalent. The apprentice should be eligible to assist, but not to sell poisons or potent drngs, except as he progressed in knowledge under the immediate supervision and direction of a fully-qnalified assistant. The dispensing of medicines and sale of poisons by unqualified companies shonld be made illegal, and the principle of personal responsibility of the principal should be enforced.

Mr. Drnce does not specifically answer this qnestion, but he says in his letter: I should, if elected, do all in my power to attempt to redress the unfair position the legislatnre has placed us in.

4. *Do you consider the present system of discussing all important business in committee is satisfactory?*

Mr. Campkin: Not entirely, though I can readily imagine there is mnch that it wonld be impolitic to pnblish. But all matters affecting the trade should be made public as far as practicable. In snch cases after eliciting opinions special meetings of members to discnss legislative and administrative proposals wonld be advantageons.

Mr. Druce: I reply in the negative.

5. *Would you support action being taken under the Pharmacy Act against the unqualified dispensers of medical men when they technically "sell" poisons?*

Mr. Campkin: I am strongly of opinion that none but registered qualified men should be employed by medical men, dispensaries, or hospitals to prepare medicines for patients.

Mr. Drnce: Yes, as a general qnestion.

6. *Sir James Crichton Browne in his inaugural address to the School of Pharmacy suggested that the Minor examination should be divided. Will you endeavour to have this suggestion carried out on an early date?*

Mr. Campkin: Yes. If there could be a division, as in the universities previous to the B.A. degree, it would be beneficial. The first examination might perhaps be regarded as sufficient for registration as an assistant.

Mr. Druce: Certainly.

Mr. Glyn-Jones writes as follows:—

"My immediate object in seeking election is to secure, if possible, that the question of dispensing in doctors' surgeries by unqualified persons should receive the attention of the Council. I am of opinion that, up to the present, the Council has given no evidence that it fully appreciates the immense danger to the public, and extreme unfairness to chemists, which accrue from the practice. I believe that the Council would be supported by its members, by the leaders of the medical profession, and by the general public in any steps that they may take to remedy the evil, and that such steps, if properly directed, would lead to an amendment of the law.

"I would support workable proposals for—

"1 Dividing the Minor examination, providing no qualification was given until the Final was passed.

"2. Compulsory apprenticeship to a qualified chemist.

"3. A better system of registration.

"4. The extension of the Poisons Schedule.

"I believe there is no danger of the Council neglecting the professional and educational side of pharmacy, but I would specially urge the recognition and protection of the interests of chemists as traders. I have more hope of benefits being derived as the result of efficient trade organisation, instigated by the Society upon democratic lines, and supported by chemists generally, than I have of getting privileges conferred by Act of Parliament. I think our local trade associations should receive fuller recognition from the Society; indeed, I see no reason why they should not be local branches of the Society.

"I would urge the strongest opposition to the Lord Chancellor's Pharmacy Bill, and would heartily support efforts to amend the Companies (Medical Profession) Bill, so as to place pharmacists in the same position in regard to limited companies as the Lord Chancellor proposes to place medical men, dentists, and midwives.

"Whilst it is necessary that certain questions should be discussed in Committee, I feel strongly that the discussion of matters of general interest should receive the fullest publicity, and I am of opinion that the recent suggestions for a Pharmacy Bill should have been publicly discussed not only by the Council, but by the trade generally before being submitted to the Lord Chancellor.

"If elected, I believe the experience gained by me during the last three or four years, from personal contact with my fellow-chemists in all parts of the country, would prove useful to me as a member of the Council, and I hope always to be actuated by the principle, the Pharmaceutical Society for the trade—not the trade for the Pharmaceutical Society."

In a covering letter Mr. Glyn-Jones states that the above was written before the receipt of our request for a statement of his views. He thinks it covers the ground indicated by our questions, but he wishes to add, in relation to the suggestions for a draft Pharmacy Bill recently submitted to the Lord Chancellor, that it would have been wise to have confined the suggestions to proposals which would have had a reasonable chance of being accepted by the Lord Chancellor and Parliament generally. He does not think that the Society should insist upon retaining the Widows' clause at all costs, but he believes it confers a privilege which should not be voluntarily surrendered. We should not be justified in foregoing any of the few privileges we at present hold, except in return for a larger measure of legal protection than he has any hope of our being able to secure at present.

Mr. R. E. Wright's programme is set forth in a document of considerable length. As the selected candidate of the Chemists' Assistants' Union he states that his duty will be to act loyally to assistants, and endeavour to further their interests as their advice urges from time to time. He should regard himself at their service, and should therefore act upon the opinion of the majority in such a manner as to gain the confidence and assistance of the Council. After justifying his candidature, Mr. Wright proceeds as follows:—

"If qualified men pursue the short-sighted policy of assisting their worst foes to conduct annihilating competition, and of maintaining a form of business which owes its very existence to an error of judgment perpetrated in 1880, then let them not be disappointed when they find there is little prospect of earning a living when in business for themselves. No remuneration is sufficiently adequate for self-destruction. The present unsatisfactory state of affairs may be remedied by more effective organisation, and by ridding ourselves of the disinclination to work patiently and determinedly.

"In connection with the presence of limited liability companies in our midst I have already advanced an opinion that in view of the fact that the law has by its decision (1880) permitted joint-stock companies to carry on the business of chemist and druggist, we must accept the situation and improve matters for the future by promoting legislation in the direction of prohibiting the registration of companies formed for the purpose of engaging in pharmaceutical practice unless all the members of such companies are qualified under the Pharmacy Acts. I consider that steps should be taken to prevent the title of 'chemist and druggist' being used by present-day joint-stock concerns. I suggested this as an expedient, having always held that the position of joint-stock companies is untenable.

"When the State by its decision leads men to engage in practices which are violations of justice as understood by reasonable men, it presents considerable difficulty in adopting plans for setting things in proper order, when the mischief of the injustice has demonstrated itself. The difficulty of the so-called vested interests confronted me when I put forth my views of tackling the company question.

"I find from the Bills introduced by the Lord Chancellor for regulating the practice of dentistry, &c., that his Lordship ignores considerations of vested interest, so-called, connected with this profession. I am gratified, but did not expect this. I abandon my ideas of considering the difficulty connected with vested interests of joint-stock companies, and now urge that we strive to convince Lord Halsbury of the justice of our claims to be considered in the same light as the dental profession."

Mr. Wright is willing to abandon the Widows' clause, advocates that branch managers should be qualified, suggests circularising head-masters of schools in regard to the monetary and other conditions of pharmaceutical education and employment; and the keeping of a register of names of boys (supplied by head-masters) who have shown scientific inclinations, are willing to adopt pharmacy as a calling, and have attained certificates of recognised examining authorities in elementary chemistry and botany. He is not in favour of an enforced curriculum at present, nor does he support the division of the Minor. He would urge the Council to approach the proper authorities with a view to obtaining adequate remuneration for those of the Society's licentiates engaged in Poor-law Institutions, Asylum Boards, &c. He thinks something should be done to prevent the Assistant's Certificate of the Apothecaries' Hall being taken as any guarantee of pharmaceutical education and qualification, and he would urge the exemption of all chemists from jury service.

Gazette.

PARTNERSHIPS DISSOLVED.

Martin, A. A., and **Shrubshall, W. W.,** under the style of Drs. Martin & Shrubshall, North Shields, medical practitioners.

Walker, J., and **Baker, A. E.,** under the style of Walker & Baker, Grosvenor Street, W., dental surgeons.

THE BANKRUPTCY ACTS, 1883 AND 1890.

Receiving Order.

Howarth, Samuel Lewis, Oldham, chemist.

She: "Would you love me just the same if I hadn't a cent?" He (absently): "I would love you more. I abhor patchouli."

The Winter Session.

Society of Chemical Industry.

LONDON SECTION.

A MEETING of this Section was held at Burlington House, Piccadilly, W., on April 10, when Dr. J. T. W. THUDICHUM lectured on

THE INDUSTRIAL TREATMENT OF SHERRY AND OF BRITISH COLONIAL WINES.

The lecture took the form of a running comment on a report on sherry made by the *Lancet* Commissioners last October, in which it was said sherry had been raised to a high position of purity, and was now one of the purest and wholesomest of wines. Dr. Thudichum said this was not so, and held that the Commissioners' statement that salicylic acid was not found in sherry was because the cask entirely absorbs it from the wine after a year. He ridiculed the idea that every application of science to the production of sherry had failed, as a large amount of chemical art had been applied, and quite satisfactorily. The lecturer then briefly described the art of vine-cultivation; the vines, it appears, are cut down to the ground every four years, and each vine yields 50 lbs. of grapes, which in turn yield 60 per cent of juice. Then, in connection with the *Lancet* statement that sherry was not plastered, he said it was quite impossible to make sherry unless the whole of the tartaric acid was removed, and this was done by adding plaster of Paris, which contained 10 per cent. of carbonate of lime. If any tartaric acid were left in the wine the fungus known as "scud" could thrive; but if all the acid were removed the production of "scud" was discouraged. "Scud" only arrives after the first fermentation, especially if it has been slow; and if the maker sterilises the wine then he gets good wine. It must be kept, however, with great precautions, the cellars must be scrupulously clean, and air admitted must be filtered. The "scud" fungus communicates a mouse-taste to the wine. Its production was favoured by the practice of leaving a large air-space in the barrels, with the object of producing another fungus, which gives a delightful taste to the wine—a process in which many casks of wine perished. Contrary to what the *Lancet* stated, free sulphuric acid was present in sherry; it came from the sulphur used for disinfecting the barrels Concluding his remarks on sherry, Dr. Thudichum said it was the best wine in the world if properly made He then went on to speak of colonial wines, in which he saw no improvement from the time, thirty years ago, when he reported unfavourably on them. Colonial wines would not stand transportation, and it would pay Australian wine-growers to get a thousand men from European vineyards, as they have a lot to learn before they can compete with the world's wine-supply.

In the

DISCUSSION

which followed, Mr. HERON said he was sorry Dr. Thudichum had ignored recent bacterial work on wines. He (the speaker) had had much experience with the making of cider, and must confess that sterilised cider did not come up to the ordinary product; the process drove away the bouquet, and it was so, he thought, with wine. Attention should rather be directed to the production of pure yeasts to introduce into the must, as the problem was to get the yeast-cells to maturity before the bacterial cells. If the yeast-cells became mature first they destroyed the bacterial cells. It was possible to give sherry the "flower" which the lecturer had mentioned, and produce an altogether superior class of wine by the judicious introduction of the proper fungus.

Mr. CRESSWELL had been an assistant with Dr. Thudichum, and he had always been taught that plastering was bad, and he was surprised to hear the process defended and the doctrine taught that bitartrate of potash was fatal to good sherry. He would certainly prefer bitartrate of potash to the sulphate of potash resulting from plastering, and it was, he had always understood, a wholesome antidote to tannin. Sterilisation (by heat), which the lecturer advocated, was a barbarous process; it destroyed all the odour of the wine, and was almost as destructive as ultimate organic analysis. (Laughter.)

Mr. HOOPER suggested that if, as had been said, a single pure culture did not give the necessary "bouquet," the employment of mixed cultures might be tried.

Mr. LING referred to the malt-wines produced in Germany, and said he understood that the sherry ferment was one of the most successful ones for transforming malt-wort into sherry, so that he did not think there would be any difficulty in the matter. He feared, however, they had not yet got the necessary knowledge of the cultures. The question was one of the most complex in bacteriology.

Dr. SAXHOLM thought the carbonic-acid gas of fermentation in partially-closed casks effectually kept air from the wine, and agreed that it would never do to sterilise high-class wines or cider.

Dr. THUDICHUM, in reply, said he did not approve of plastering, but as sherry was made now it was necessary. There was no doubt the "bouquet" was altered by sterilising by heat, but sterilising by filtration was not practicable. He tried it thirty years ago, and it took three men four hours to filter a butt of wine as well as four hours to clean the moleskin used for filtering. Sherry contained from 19 to 21 per cent. of proof spirit, and spirit is often added to make it 34 per cent., within a few degrees of the 42-per-cent. limit of wine-duty.

AN EXTRA.

It was announced that Mr. George Beilby, President of the Society, will deliver a lecture to the Section on April 24 on the "Relations of the Society to Chemical Engineering and to Industrial Chemistry."

MANCHESTER SECTION.

AT the annual meeting held at the Victoria Hotel on April 7, Dr. Watson presiding, Dr. Schunck, Mr. Ivan Levenstein, Dr. A. K. Miller, Dr. Langdon, Mr. Irving, and Mr. Brown were elected members of Committee, and Mr. J. Carter Bell was re-elected Secretary.

THE FLASH-POINT

of petroleum was the subject of the evening's discussion, Mr. WM. THOMSON, F.R.S.E., communicating a paper entitled "The connection between flash-point and danger in burning mineral oils, and deductions drawn from the determination of the burners and the oils used in lamps which have exploded in Manchester and Salford during the last few years." The flash-points of the oils with which he experimented (and which were the same as those used in accident-cases) lay between 75° F. and 89° F., a third of them being of American origin, and two-thirds Russian. Strange to say, Mr. Thomson could not produce an explosion in a paraffin-oil lamp. He reasoned out why, and explained the conditions which lead up to such explosions; but he was decidedly not of the opinion that American oil alone is dangerous, the police reports and his inquiries following them showing that the Russian oils of higher flash point than the American had proved four times more dangerous than the latter, thus showing the necessity for a standard of not less than 100° F. (Abel close test) being fixed by the Government. The discussion concluded with a resolution to the Council of the Society recommending it to "immediately represent to the Government the desirability of fixing the flash-point of petroleum for illuminating-purposes at a minimum of 100° F."

Public Dispensers' Association.

A MEETING of this Association was held at 46 Clarendon Square, N.W., on April 7, Mr. W. E. Miller (Vice-President) in the chair. The subject for discussion was the observance of the new Poison Regulations in public institutions, and letters on the subject were read from, amongst others, Messrs. J. Langford Moore (St. Bart's.), R. Esam (Leicester), and Robinson (Manchester). Mr. Langford Moore's letter drew attention to the fact (*vide C. & D.*, April 1, page 520) that the Edinburgh Parish Council had ordered the regulations to be observed by all the chemists by whom parochial medicines were supplied; while Mr. Esam gave particulars of the steps which had been voluntarily taken to carry out the regula-

tions in Leicester Infirmary. Mr. Robinson (Chorlton Union) agreed with the regulations, but thought a greater safeguard to public dispensing would be the abolition of the Army Medical Corps man as a Poor-law dispenser. In his dispensary cupboards with sliding-doors had been provided for everyday poisons, potent poisons being kept in locked cupboards. To the bottles of out-patients containing dangerous poisons he attached a strip of sandpaper. The Chairman said the St. Pancras Guardians had adopted the regulations some years ago, and Mr. Jones (Poplar), who was given a free hand in the matter, lent poison-bottles to the patients, 60 per cent. of which were faithfully returned. Details of the very complete precautions against accident which are taken at St. Mary's Hospital were given by Mr. Robertson; and Mr. Clark (Paddington) showed that precautions much in advance of the legal regulations prevailed in his dispensary, although the Pharmaceutical Society had stated that these regulations did not apply to public dispensers at all. Similar testimony was given by Messrs. Cairns (Claybury Asylum) and Armitage (St. Mark's); but Mr. Donnan (Islington) complained of the difficulty of getting his Guardians to take any steps in the matter. In the general discussion which followed, attention was drawn to the careless way in which lotions were sent out by certain of the large hospitals. A resolution was also moved by Mr. F. N. Clark, and seconded by the Chairman, to the effect that owing to the limited storage capacity of most dispensaries, it was desirable that wholesale houses should put some distinguishing mark on bottles which they send out containing poisonous substances.

Midland Pharmaceutical Association.

At a meeting of this Association, held at Mason College, Birmingham, on April 10, Dr. C. Leedham Green read a paper on the subject of

The Sterilisation of Milk.

Milk, as secreted in the mammary gland, he said, is sterile provided both udder and cow are healthy. One of the most serious diseases of the udder is tuberculosis, which is very prevalent amongst cattle, and can be communicated by milk. Typhoid fever, diphtheria, cholera, and almost certainly scarlet fever, have at times been distinctly proved to have been conveyed by milk. The diarrhœa of infants, too, is largely due to milk. The lecturer proceeded to examine some of the methods advocated for the production of sterile milk. He demonstrated that boiling did not render milk sterile. It certainly killed off all the adult forms of bacterial life, but the temperature was not sufficient to destroy certain micro-organisms which were very resistant to heat. Soxhlet's steriliser he described as one of the best known and most popular for infants' milk, though even with this apparatus the whole of the micro-organisms were not killed. In fact, it was only with difficulty that it was possible to render milk absolutely sterile. One way was by heating it to a temperature above boiling-point—a temperature of 121° C. would almost invariably within fifteen minutes suffice for the purpose. The colour was by this method changed to a brownish tinge, due to the conversion of milk-sugar into caramel, which made the milk totally unsuitable for food. But a method of rendering milk sterile and yet preserving its characteristics was by "fractional sterilisation" or "Pasteurisation." It was based on the fact that all micro-organisms which were not in the spore stage were killed by a relatively slight amount of heat —a temperature of between 60° and 70° C.—repeatedly applied. After alluding to the sale of sterilised milk, which was not always sterile, he said that it was better that each household should prepare its own milk, not striving to sterilise it, but resting content with the destruction of the specific disease-germs.

Dewsbury District Chemists' Association.

At a meeting of this Association held on April 10, Mr. Abraham Foster presiding, the Secretary (Mr. R. Gledhill) read the correspondence which had passed between him and the Clerk of the Apothecaries' Society of London in reference to the apothecaries' assistants' certificate.

The Chairman remarked that in his opinion they had done nothing to be ashamed of. He referred to the comments on their action which had appeared in the different trade journals, and expressed much annoyance at what had appeared in the *Pharmaceutical Journal.*

Mr. Stead remarked that he did not mind the pleasant banter of the *C. & D.*, and the remarks in the *B. & C. D.* he regarded as a compliment to their Association. But he was completely staggered when he read the comments in the *Pharmaceutical Journal.* To say that he was indignant did not express his feelings. He read a long statement in reply to the *Pharmaceutical Journal's* disparaging remarks, and proposed that a copy be sent to the editor. This was unanimously agreed to.

A letter was read from the Secretary of the Federation of Pharmaceutical Associations calling attention to the Lord Chancellor's Bill.

Mr. Cussons said they must be up and doing. Whatever was done by the Pharmaceutical Society, they must not allow this Bill to pass the second reading without making a protest. He was not one who had any big ideas about the trade, and never had considered that it rose to the dignity of a profession, but he regarded it as a back-handed smack that they had been placed below midwives. They ought to memorialise every member of the House of Lords.

The Secretary suggested that if this were done a copy of the appeal in last week's *C. & D.* should be sent as well.

Mr. Stead said he did not think they could improve on that appeal.

After further discussion it was decided, on the motion of Mr. Cussons, seconded by Mr. Gutteridge, to form a sub-committee to go fully into the matter and draft resolutions to be submitted to a subsequent meeting. The sub-committee appointed consists of Messrs. Walker, Stead, Cussons, and Gutteridge.

Mr. Gledhill was elected to attend the annual dinner of the Bradford Association.

Manchester Pharmaceutical Association.

The annual general meeting of this Association was held on April 12. Mr. Harry Kemp, in the absence of Mr. G. S. Woolley, occupied the chair. Mr. J. Woodruff Walton (Hon. Secretary) read the annual report, which was a *resumé* of the work of the past year. The attendance at the meetings had been somewhat better than usual. The prizes presented by the President (Mr. G. S. Woolley) and Mr. J. Rymer Young were awarded in the Junior division, the second prize to Mr. B. G. Hough, and, in the Senior division, the first prize to Mr. R. H. Dawson, and the second to Mr. J. S. Craven.

Mr. Pidd (Hon. Treasurer) then read the annual balance-sheet, which showed a balance in hand of 10*l.* 11*s.* 9*d.* The Society now totalled 84 members, an increase of 11.

The Chairman, in moving the adoption of the report, said it was desirable in their own interests as pharmacists, that the proposal that chemists trading under ancient title should use their own name in conjunction should be made compulsory.

Mr. W. Lane seconded the motion, and with regard to the Association at the present time thought there was more light in it than there had been for some time past.

The reports were adopted.

Elections.

The following were elected members of the Council:—Messrs. W. Gibbons, H. Kemp, W. Kirkby, W. Lane, A. J. Pidd, J. C. Kidd, J. W. Walton, G. H. Westmacott, J. Wild, G. S. Woolley, E. Yates, J. Rymer Young. Mr. John Blyton was reappointed auditor. Mr. G. S. Woolley was unanimously re-elected President of the Society, and Messrs. Kirkby and Kemp Vice-Presidents. Mr. A. J. Pidd was re-elected Hon. Treasurer, and Mr. J. Woodruff Walton Hon. Secretary.

The following were elected members of the P.A.T.A. Committee:—Messrs. W. Gibbons, I. A. Jones, J. C. Kidd, J. L. Slack, T. Woodruff, E. Yates, F. Cooper, and J. Wild.

The Chairman next presented the prizes to the successful competitors in the Pharmaceutical competitions.

The Chairman said that the Lord Chancellor's Pharmacy

Bill practically knocked the bottom out of the proposals they had intended to discuss that night. (Laughter.)

Mr. W. Kirkby said the Lord Chancellor's Bill was a jumble, and their opposition to it should be firm and general. The Bill should be rejected *in toto*. They should go to Parliament and ask the Legislature to place them in the position which by education and examination they were entitled to hold as the dispensers and sellers of poisons. The Legislature, having instituted their qualifications, was pledged, to a certain extent, to protect their privileges. It seemed to him that the medical profession were deserting them, and that unqualified dispensers in surgeries were not objected to by medical men, and evidence of this kind should not be any longer concealed. It was time that the medical profession were enlightened as to the position and qualification of the pharmacist. The name "chemist" should be added to the other Bill of the Lord Chancellor along with those of "medical men," "dentists," and "midwives"—he failed to see how a company could go out as a midwife. He moved:—

That this Association is greatly concerned at the character of the Pharmacy Amendment Bill introduced into the House of Lords by the Lord Chancellor, which appears to be completely subversive of the principle of the Pharmacy Acts of 1852 and 1868, which is that the professional education of the individual chemist and druggist or pharmaceutical chemist affords the only safeguard to the public in the dispensing and selling of poisons. This Association would urge upon the Council of the Pharmaceutical Society the necessity of at once opposing the Bill, and would suggest that means be taken to secure the inclusion of chemists in the other Bill introduced by the Lord Chancellor in favour of medical men, dentists, midwives, &c. It pledges itself to do its utmost in assisting the Council of the Pharmaceutical Society in this matter.

Mr. G. H. Westmacott seconded the motion, and Mr. T. Swindells supported it.

Mr. J. Rymer Young, who came direct to the meeting from the Pharmaceutical Council in London, described the Bill of the Lord Chancellor as iniquitous. The matter, he said, had been threshed out in the Council, in committee on Tuesday night and in the meeting that day. Suggestions as to the action to be taken would reach them in a few days. The Lord Chancellor's action was almost inconceivable. His Lordship had not consulted the Pharmaceutical Society at all. The proposed Pharmacy Bill could not be amended; it must be rejected in its entirety.

Mr. J. L Slack said the Bill would mean absolute death to the chemist and druggist, whose trade was already moribund. He counselled waiting for instructions from Bloomsbury Square.

After some further remarks, in the course of which Mr. Joseph Bell said it only wanted a strong opposition to be foreshadowed, and the Government would drop the thing, as they had dropped other proposed measures when they saw what they would have to face, the resolution was unanimously adopted.

Burnley Chemists and the New Pharmacy Bill.

A special meeting of the Burnley and District Chemists' Association was held at the Bull Hotel, Burnley, on April 11 Mr. J. A. Heaton (the President) occupied the chair, and there was a large attendance.

The President said it was their duty to strenuously oppose the new Bill by every possible means they could bring to bear. They had had to compete for thirty years with co-operative bodies and companies. Now they were face to face with a Bill to legalise those companies. If it passed they would have companies starting everywhere. Why should they pass examinations if companies were to have the same privileges? Moreover, ought not the public also to be protected against an influx of these companies, whose only object was to exploit the trade with their capital?

Mr. Coates (Burnley) considered this the greatest and most glaring act of injustice ever done to a body of men during the whole of the now fast-expiring century. During the time the Pharmacy Act had been in force it had called into existence a body of men who had given freely money and time, and spent the whole of their lives in the public service, who had passed the most stringent examinations, and by so doing had qualified themselves in an honourable manner for the duties imposed upon them by the Legislature—men intimately acquainted with the properties of poisons, and not only of poisons, but also the action and properties of almost every known drug of recognised value, from the simplest to the most powerful. It had produced men who had conscientiously trodden the legitimate path of pharmaceutical education, and who by so doing had peculiarly fitted themselves to act as the right hand to the medical profession, and who daily literally carried the lives of hundreds of persons in the hollow of their hands, yet rarely made a mistake. And this was their reward: that a Government which prided itself upon having done more for education than any other was endeavouring not only to take away what few privileges they had worked for and honestly earned, but was trying to rob them of the results of a lifetime. It was a question of "brass *versus* brains." It meant, if that Bill passed, that they were to be bought body, soul, and conscience by the capitalist. It seemed inconceivable that such injustice should be attempted in this island. If the Act passed, pharmacy, as a conscientious calling, would become extinct. Whatever intelligence, time, or trouble a man might feel it is his duty to put into even the dispensing of a prescription he dare not give—he would be wasting the time of the shareholders.

Mr. Walker (Burnley) proposed the following resolution:—

We, the chemists of Burnley and district, in open meeting assembled, desire to assure the Council of the Pharmaceutical Society of our confidence in them. At the same time we take the opportunity to state that we hope a most vigorous policy will be adopted by them, and we will do out utmost to assist in any active policy they decide upon, with reference to the Pharmacy Bill introduced by the Lord Chancellor, and take the liberty to make the following suggestions:—(1) That the Council take the craft into their confidence through the local associations; (2) that these associations are fully alive to the necessities of the times and our present position; (3) that every means be taken to get the withdrawal of the Pharmacy Bill by the Lord Chancellor, and, to that end, suggest the Council appoint a strong representative deputation from themselves, and solicit the co-operation of all associations either direct or through the federation of local pharmaceutical associations, and invite them to send joint delegates, and wait upon the Lord Chancellor himself and point out the injustice of his proposals and the necessity of being placed on the Medical Bill.

Mr. Hitchin seconded, and the resolution was carried.

On the proposition of Mr. J. Brown (Secretary) two other resolutions were also passed, one urging the Federation to do its utmost to oppose the Bill, and the other appealing for the aid and sympathy of the medical profession.

Chloroform-litigation.—There seems to be a continuity of legal cases in the United States in connection with the making of chloroform. Recently at St. Louis, Messrs. Larkin & Scheffer got a decision in their favour in an action brought against them by the Albany Chemical Company. The judge's decision sustained their right to make chloroform from acetone, and the Court held that they were not infringing the patent of the Albany Chemical Company for the manufacture of chloroform from ketone. The defeated company have appealed, however, and should they ultimately lose, the Roessler & Hasslacher Chemical Company of New York declare that they will have cause of action against Larkin & Scheffer for violation of a patent which they hold for manufacturing chloroform from acetone. Dr. E. R. Squibb, interviewed by the *Pharmaceutical Era* on the subject, expressed the opinion that the patent on the process of making chloroform from acetone was one of the most invalid ever granted. That patent had been granted to Roessler & Hasslacher in spite of the fact that chloroform had been made from acetone before they were born. They could not get a patent in Germany, and they had no more right to one in America than Behring had to the antitoxin-patent obtained by him last year. Dr. Squibb himself made chloroform for years, but had to stop on account of a patent which, he believed, had no validity, and instead of risking the chances of having to spend time and money in litigation he preferred to buy his chloroform from Roessler & Hasslacher.

Legal Reports.

The Pharmacy Act.

Failure of an Action.

At the Hanley County Court, on Wednesday, before Judge Jordan, the Pharmaceutical Society sought to recover penalties from a chemist's assistant, named John Longman, unqualified, for having sold poisons. Mr. Gray appeared for the Society.

Arthur Foulds stated that, on instructions of the Pharmaceutical Society, he went to the chemist's and druggist's shop kept by Mr. Hartle, in Broad Street, Hanley, on December 20 last. He there saw the defendant, and asked him for a bottle of castor oil and one of Kay's essence. Defendant said he was just out of the latter, and witness then asked him for a bottle of Mrs. Winslow's soothing-syrup. Defendant said he was out of that also, but that if witness would wait a minute or two he would send for it to the other shop. Defendant sent to the other shop, and witness waited about five minutes. The boy returned, and handed the bottles to the defendant, who then handed witness the three bottles, and was at the same time paid by witness.

In cross-examination, witness said he was the inquiry-agent and private detective of the Pharmaceutical Society. Longman did not say that they kept neither Winslow's syrup nor Kay's essence there, and did not say, "If you will leave your money I will get them from the other shop."

Mr. F. C. Harris, who defended, said that when Foulds called, Longman and the errand-boy were both in the shop. The boy went for the two articles, but did not return himself to the shop, as he was overtaken by Mr. Hartle, who, knowing that poisons were not sold at the Broad Street shop, followed him down, took the bottles off him, and handed them to Longman with instructions to hand them over to the customer. At the same time, Mr. Hartle handed Longman the change out of the half-crown sent by the lad. He contended that either Longman or the errand-boy was constituted the agent of Foulds, and that the purchase was effected at Mr. Hartle's Snow Hill shop.

His Honour: Your case is that Hartle intervened in time to make himself a seller?

Mr. Harris: Precisely.

Walter Hartle, who said he was a registered chemist and druggist of thirty-one years' standing, and John Longman confirmed the solicitor's statement.

His Honour, giving judgment, said: I think if the Pharmaceutical Society had been aware of all the facts, this action would never have been brought. The real defendant is Mr. Hartle, not this young man, although, of course, the Society had a perfect right to sue the young man, because he is, in law at any rate, the nominal defendant. Mr. Hartle has a second shop, and he does not do that which I am afraid is often done—carry it on without a qualified man. He has a qualified man at this other shop, and if the qualified man had happened to be in the shop at this particular time no offence would have been committed. But it so happens that at this particular time the qualified assistant was away at his dinner, and this young man, Longman, who was left in the shop, was not qualified. This was a peculiar coincidence, and I cannot help saying this—that our law is very peculiar at present on this subject. If a man who is not qualified, sells a bottle of Winslow's syrup, he commits an offence which renders him liable to a penalty of 5*l.*, but if another man, who has qualifications, sells the same bottle, he commits no offence at all, and it does seem a very curious thing. I should have understood this case very much better if the Legislature had made it an offence to sell Mrs. Winslow's soothing-syrup or Kay's essence at all. But the Legislature allows them to be sold by qualified persons. What magic there is in a bottle of Mrs. Winslow's soothing-syrup passing into the hands of a purchaser from the hands of a qualified man or from those of an unqualified man, I cannot fathom. Mr. Hartle has intervened in time to bring himself within the decision of the case cited before me—namely, the Pharmaceutical Society and Wheeldon—and save himself from any penalty. In my opinion the sale was made from Hartle's Snow Hill shop and by a qualified man. Even if it was sold by an assistant, it was sold at Hartle's Snow Hill shop under the personal superintendence of the employer, who is a qualified person. I lean rather to the other opinion—that the thing was sold by a qualified man when he handed it over the counter and received the money for it. My judgment must be for the defendant, with costs.

Fine under the Medical Act.

At Pontefract Borough Police Court, on April 6, Joseph Tempest, an advertising medical botanist, was fined 20*l.* for having pretended to be a doctor of medicine and a medical practitioner. The evidence showed that he described himself by means of a doorplate as "Dr. Tempest," and on the bottles in which he supplied medicine as "M.D."

A Ringworm-application.

In the Queen's Bench Division of the High Court, on Wednesday, Mr. Justice Phillimore and a jury heard the action of Coleman *v.* Coldwell & Co., in which Mary E. M. Coleman, St. Albans Road, Watford, sued, by her father as next friend, for damages from Messrs. Coldwell & Co., chemists, Watford, for supplying her with certain noxious ointment, by which her skin became disfigured. Mr. G. M. Cohen appeared for the plaintiff, and Mr. Macintyre for the defendants.

Mr. Cohen said that his client was a little girl of 6 years of age, living with her parents at Watford. Whatever difference of opinion there might be between his learned friend and himself as to the negligence of the parties in the case, he thought they would be agreed on one point, and that was that, considering her age and sex, this had been a very cruel case to this child. The defendants supplied a certain ointment for the child's face. By applying it the tissues of the skin were destroyed, and could never be restored. The child would be disfigured for life. Early in August last year the child's mother discovered that she had contracted some form of skin-disease, which she had reason to believe was ringworm. She went to the defendants' shop and saw their assistant. He said he could soon effect a cure, and gave her some ointment to apply to the child's face. The mother said that, supposing it were not ringworm, would the ointment do it any harm? He said it could not possibly do any harm. The ointment was to be applied two or three times a day. When the ointment was applied it set up a violent irritation and laceration. The inflammation grew so bad that Mrs. Coleman took the child to Dr. Robins, who had attended her ever since. The sore was so unsightly that the little girl was unable to attend school. The real issue was whether the ointment was a proper application for a child's face suffering from ringworm. The ointment (nitrate of mercury) might have been applied to the scalp of an adult, but to order its application to the face of a child was an act of as great negligence as could possibly be conceived, and could only result in the destruction of the tissues of the face, which had actually happened.

Mrs. Coleman was called, and gave evidence in support of counsel's opening statement. In cross-examination, she denied that the assistant told her she was only to rub the child's face with a little of the ointment on a rag, wrapped round her finger, twice a day, and to stop if she found it made the skin red.

Dr. T. W. Robins deposed to attending the child in September last for ringworm. He noticed a scar on the left temple, and being informed what occasioned it asked to see the ointment, which was unguentum hydrargyri nitratis. Ointment of that strength should not have been supplied without proper directions. In the case of old-standing ringworm in an older person on the scalp the ointment might have been applied with safety. But it should never have been used in the case of a recent ringworm on a child's face. Possibly "just dabbed on" and wiped off by a skilled person it might have done no harm, and might have cured. But harm might have ensued even then. It was an ointment he never used. The ointment was so strong that it was usually supplied to the medical profession by the wholesale chemists diluted with paraffin, one part to three. The ointment in question was not diluted. In his opinion the scar would be permanent.

The first two layers of the skin were partially destroyed, the epidermis wholly, and the true skin partially. According to the circulation of the blood, the scar would always be more or less noticeable. Cross-examined: This ointment was not in common use for ringworm, but he had heard of its being used. There could not have been any objection to the ointment if it had been supplied properly diluted. He did not think the scar would ever disappear.

Dr. E. A. Harbord, hon. surgeon to the London Skin Hospital, said he had examined Mrs. Coleman's child in January last. On the left cheek he found a scar about the size of a shilling. There was a depression and a destruction of the true skin. The redness at the centre of the scar would be apparent when the child was heated. He believed the disfigurement would be permanent. Undoubtedly the scar was caused by the use of an escharotic ointment to an acute inflammation of the skin. This ointment should have been four or five times diluted before being applied to the face. It was most dangerous to supply such an ointment to the public for application to an inflammation. Cross-examined: This ointment was in use for indolent non-inflammatory conditions of the skin.

Mr. Bateman, chemist, of St. Albans Road, Watford, said Mrs. Coleman brought her little girl to his shop in August last. There was a red sore on the left side of her face. It was too serious for him to deal with. He had had over thirty years' experience as a chemist, but he had never known this ointment to be used.

This concluded the plaintiff's case.

Mr. Macintyre, for the defendant, said the real question the jury had to determine was whether the defendant was liable to pay damages or not. They would have to consider whether the defendant's manager had been guilty of negligence in supplying the ointment, or in not giving proper directions for the use of it, so as to render his employer liable to damages. Mr. Prince, the defendant's manager, who supplied the ointment, was a gentleman of long experience as a chemist. He instructed Mrs. Coleman to wrap a rag round her finger, dip it in the ointment, and apply it lightly to the child's face, and then rub it off again. Defendant's witnesses generally admitted that if this had been done no harm would have ensued. It was not the ointment that caused the scar; it was its improper use. Instead of following the directions that had been given her, Mrs. Coleman proceeded to make a sort of plaster of the ointment, and left it on her child's cheek for hours.

Mr. F. G. Prince, the assistant who supplied the ointment, said he instructed Mrs. Coleman to wrap a rag round her finger, to dip it in the ointment, and apply it lightly to the child's face night and morning. As soon as the place became red she was to stop.

Mr. Coldwell, the defendant, said he had been a chemist for thirty-one years. He passed his examination in June, 1868. During this period he had been in the habit of using this ointment in cases of ringworm. He had never known the use of this ointment do harm. If the ointment were diluted, he did not think it would be strong enough.

Dr. Robert Buchanan, Medical Officer of Health, Watford, said he examined the child in September last. There was a red scar on her left cheek about the size of a shilling. There was a slight depression and some destruction of the tissues. He did not think the scar would be permanent, but it would probably last some years.

Dr. J. Slowers, of Harley Street, and physician to the North-West London Hospital for diseases of the skin, said he had examined the child in December and again to-day. There was little alteration in the scar. But most probably it would disappear during the next three or four years. At her age scars were not of so much importance. In his opinion the defendant's assistant was quite justified in giving this ointment to the plaintiff's mother. If properly applied it was quite a proper remedy.

Dr. Thirwell Pyke, another authority on skin-diseases, said he had prescribed this ointment for ringworm for many years, and had never known ill-effects to follow its use. It was a proper remedy, which had been improperly used.

Counsel having addressed the jury, his Lordship summed up.

The jury found a verdict for the plaintiff for 5*l*. Judgment accordingly.

Sale of Food and Drugs Act.

Sweet Nitre and Camphorated Oil.

At the Pontefract Police Court, on April 8, the Doncaster Co-operative Society (Limited) were charged with having sold sweet spirit of nitre which the analyst certified was 1¾ per cent. deficient of nitrous ether and contained 3·24 per cent. in excess of water. The defence was a plea of depreciation from evaporation. The spirit, which had been obtained a year ago, had not been tampered with, and the depreciation was quite accidental and entirely unavoidable. Evidence having been given by the stores manager in support of this contention, the Bench inflicted a fine of 1*l*. 10*s*.

Leonard Milnthorp, grocer, South Kirkby, was also summoned for having sold camphorated oil which contained only 4 per cent. of camphor and 96 per cent. of olive oil. Defendant pleaded guilty, and a fine of 1*l*. 9*s*. was imposed.

At Todmorden Petty Sessions, on April 6, Mary Hannah Walker, a small shopkeeper, was summoned for selling camphorated oil which was certified to contain only 1 per cent. of camphor and 99 per cent. of mineral oil. The defendant said she was quite unaware that it was adulterated, and had bought it from a wholesale dealer, Mr. Ballinger, of Littleborough, as genuine camphorated oil. A fine of 40*s*. and costs was imposed.

Gregory's Powder and Sal Volatile.

At Otley, on April 7, Walter T. Moore, trading as a chemist at Yeadon, was summoned for selling Gregory's powder which was certified by the Public Analyst to consist of carbonate of magnesia 68 per cent. and rhubarb and ginger 32 per cent. It was explained by the prosecuting inspector that the B.P. required that Gregory's powder be composed of 67 per cent. of calcined magnesia and 33 per cent. of rhubarb and ginger. Some of the Bench expressed a desire to know the difference between the two magnesias, but the inspector could only tell them that the one was cheaper than the other. The prosecution had no expert present to show that the customer was prejudiced by being supplied with the carbonate instead of calcined. The solicitor for the defendant explained that the two magnesias were the same, except that the calcined magnesia was magnesia burnt. The carbonate was substituted for the calcined, because the latter caked and lost its properties, whereas in its unburnt and virgin state (as the carbonate) its properties were retained. It was not a question of profit but of what was better for the customer, and he called the defendant and Dr. Usher, both of whom considered the carbonate the better form of the two. The case was dismissed.

Mr. Moore was also charged with selling sal volatile which, on analysis, was found to be of a specific gravity of 0·8859, instead of 0·888 to 0·893, as the Pharmacopœia required. The sample required for neutralisation only two-thirds of the amount of acid required in an article of B.P. quality, thus showing that it contained only two-thirds of the amount of the active ingredients of the genuine B.P. article. For the defence it was submitted that as sal volatile was a spirit, and was only sold in very small quantities, every time the stopper of the bottle was removed evaporation took place, which would account for the reduction of the specific gravity. Evidence in support of this contention was given by the defendant and Mr. Humphries, manager for Bleasdale & Co., wholesale druggists and chemical-manufacturers, York. The latter said his firm supplied Mr. Moore with the sal volatile in question, which was made according to the B.P. Evaporation would take place every time the stopper of the bottle was removed. This case was also dismissed.

Ground Ginger.

At Barnsley, on April 10, the adjourned case against Ernest Broadbent, shopkeeper, Thurlstone, for selling ginger which Mr. A. H. Allen, the Sheffield county analyst, certified consisted of 50 per cent. genuine ginger and 50 per cent. of ginger which had been divested of its pungent principle,

came np for hearing. At the previous hearing, on Jannary 23 Mr. Reed, on behalf of the defendant, who had obtained the ginger from Messrs. Peek Brothers & Winch (Limited), spice-merchants, London, submitted that he had been unable to obtain an analysis of the sample left with him, because of a leagne among the public analysts of the country, who would not give evidence against each other. On the snggestion of Mr. Reed, the case was adjourned and the sample sent to Somerset Honse. The Somerset House analysis was now pnt in, and was as follows:—

	Per cent.
Soluble in 90-per-cent. alcohol	4·56
Soluble in ether—volatile oil	0·43
Soluble in ether—fixed oil and resin ...	4·43
Soluble in alcohol after ether...	1·08
Soluble in water after alcohol and ether ...	3·70
Total ash...	2·33
Ash soluble in water	1·03
Loss on drying sample at 212° F.	12·70

The microscopic and physical characters of the sample indicate that it belongs to one of the lower-grade descriptions of commercial ginger. The amounts soluble in alcohol and ether respectively are equal to that found in genuine ginger of this class, and afford no evidence that the sample has been exhausted with alcohol. The proportions of matter soluble in water and of ash soluble in water are lower than we have found in unwashed ginger, but as these amounts are easily reduced by the ordinary washing of the ginger which usually occurs before grinding, they do not, in our opinion, afford evidence that the sample in question is a mixture of genuine ground ginger, and ginger exhausted of its pungent principles. The microscopic and analytical results are consistent with the conclusion that the sample in question is a "washed" Japan or similar low-grade ginger.

On this the defendant's solicitor suggested that the prosecution should be withdrawn, but it had been gone on with, it being stated that the Somerset House analysis corroborated Mr. Allen's certificate.

Mr. Wardle, for the prosecution, referring to allegations of defendant's solicitor about a league amongst public analysts, asked that evidence in rebuttal of that statement be admitted. If the prosecution were withdrawn, serious injury would be done to the public, and wrong would be done to the analyst himself.

Mr. A. H. Allen, F.I.C., F.C.S., said there was not the slightest trnth in the allegation that there was any understanding amongst members of the Society of Public Analysts that they should not give evidence against each other. It was absolutely false. It was a lie. He supported his certificate, and said he had examined hundreds of samples of ground ginger, but never had such a bad sample as this. The Somerset House certificate corroborated his, so far as it went, but he had expressed his conclnsion in different terms.

Evidence endorsing Mr. Allen's statements was given by Dr. Bernard Dyer, Dr. Otto Hehner, and Mr. Bevan (analyst for Middlesex), but after hearing Mr. Reed, who argued that Somerset House was the proper authority to guide the Bench in such a case, the Bench dismissed the case, but refused costs, the Chairman saying it was a proper case to bring before them.

Oil of Juniper.

At the Clerkenwell Police Court, on Wednesday, before Mr. Horace Smith, the adjourned summons against Parke's Drug-stores (Limited), of 151 High Street, Kensington, for selling oil of juniper not of the qnality required nnder the B.P. was heard. The Islington Vestry, who prosecuted, alleged that the article sold to one of their inspectors was not oil of juniper-berries, but a mixture of turpentine and some other commodity not determined. The defence was that the article sold was that usually sold in chemists' shops at a cheap price.

Mr. Bramall appeared to prosecute, and Mr. Hicks defended.

Dr. Teed again gave evidence, and was asked by Mr. Hicks whether this and many other pharmacopœial articles used in medicine were not used also for other purposes, and if in such cases the B.P. articles are not required. Carbolic acid for disinfecting, and collodion for photography, were instanced.

Dr. Teed said: I don't know of any use for collodion beyond that for pharmacentical purposes. It is not used for photographic pnrposes.

Mr. Hicks: Oh, indeed.

Witness: Only by old-fashioned people.

Mr. Hicks: All old-fashioned people are not dead, are they? (Laughter.) Are there not two grades of alum?

Witness: Both answer all the B.P. tests.

Mr. Bramall: Do you know of any use for oil of juniper-wood except to use as the spurions oil?

Mr. Teed: None at all.

Mr. Hicks said the oil was distilled from the berries and twigs mixed, and was nsed for veterinary purposes in a large way.

Mr. Bramall: I think I have satisfied you that it was sold as a drug.

Mr. Sidney Morgan, partner in the firm of Harker, Stagg & Morgan, of Laurence Pountney Lane, stated that he sold oil of juniper and oil of juniper-berry, the former being mnch cheaper than the latter.

Mr. Hicks: Is oil of juniper sold very largely by chemists?—Yes.

And this oil of juniper-berry: it is a distillation from the twig and the berry?—I should not like to say what it is distilled from.

But it is not pure oil?—No.

Mr. Bramall: If I wrote and asked yon for oil of jnniper, what would you send?—The commercial oil.

Yon would not write and ask what I wanted?—Oh, no.

How would you invoice it?—By what was ordered.

Does your oil of juniper-wood contain 70 to 80 per cent. of turpentine?—I should not like to say. Oil of juniper-berry must be a superior article, because the B.P. is always trying to improve.

Oil of juniper-wood is not recognised in the B.P.?—No.

Mr. Hicks: Is there such a thing as oil of juniper distilled from the unripe berry?—No.*

You are sure there is no snch thing?—Yes; snre.

Mr. Hicks: I am instructed it is a mistake in the B.P.

Mr. Smith: You had better not say that, or you might get into trouble. (Laughter.)

Mr. Hicks: It is, nevertheless, a fact that it is a mistake of the B.P.

Mr. Smith: Then I am surprised.

Mr. Hicks: I am positive there is no such thing as oil of juniper from the nnripe green frnit.

Mr. John Slinger Ward, chemist, of 101 Whitecross Street, said he knew that the B.P. was wrong.

Mr. Bramall: Do you mean to say that positively the B.P. is wrong?—Yes.

What do you say is wrong?—Unripe.

Mr. Hicks: Is it not a fact that Messrs. Schimmel, practically the largest oil-distillers in the world, say that there is no such thing as oil of juniper distilled from the unripe green fruit?—Yes.

Mr. Alexander Gunn, of the firm of Lorimer & Co., said he had tested the oil of juniper, and found that it was in accordance with the requirements of the B.P.

Mr. Smith: Which sample?

Witness: The incriminating sample.

Mr. Smith: Dear me!

Mr. Bramall: Would you say that this was oil of juniper-berry?—No; I should say not. Why not, if it answers all the tests?—That is more than I can say, I am sure. Does this oil rotate to the right?—Yes. Is it not a fact that genuine oil of juniper does not rotate to the right at all?—It may be so; I am not sure. Do you know The Chemist and Druggist?—Oh, yes. And do you know that they decry the sale of sophisticated drugs?—Yes; I believe they do. And do you know that they say that the buyers of essential oils will have to be careful—that the prosecution of the retailers was only the beginning of the end—that a shoddy article should be sold as such?—Yes; it is so.

Mr. Hicks: That is my case unless my friend is going to bring any rebutting evidence.

Mr. Bramall: I have nothing to rebut.

Mr. Hicks: The question, then, is, Did the purchaser get what he asked for? Did he expect the best oil of juniper or what is sold in ordinary commerce? I say that it was what

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* The B.P. describes oil of juniper as "the oil distilled from the unripe green fruit of *Juniperus communis*."

is sold in the ordinary way everywhere. It is admittedly not oil of juniper-berry.

Mr. Smith: I find as a fact that the article asked for was a drug, and was asked for as a drug. The article supplied was not a drug; it is admitted it was not a drug. It was a commercial article, which might do harm or might do good.

Mr. Hicks: Do you find that he asked for a drug and did not get it?

Mr. Smith: Yes.

Mr. Hicks: Not that he asked for oil of juniper, and did not get it?

Mr Smith: I find that he asked for a drug to be used internally, and was not supplied with it.

Mr. Hicks: This case is brought to test whether the commercial oil may be sold.

Mr. Smith: I cannot help what it is brought for.

Mr. Hicks: You can only show as an inference that the oil was asked for as a drug.

Mr. Smith: If I go into a shop for rhubarb I do not expect to get a doorstep-cleaner.

Mr. Bramall: I can prove two previous convictions for selling drugs not in conformity with the B P.

Mr. Smith: Oh, the offence is not great. Fined 1*l.* 1*s.* and 5*l.* 5*s* costs.

The summons against the company for selling oil of almonds was adjourned for a fortnight, and the summonses against two chemists for selling oil of juniper under similar circumstances were adjourned to the same date.

Herbert Baker, chemist, of 682 Holloway Road, pleaded guilty to selling almond oil and oil of juniper not in conformity with the requirements of the B.P. He was fined 10*s.* and 12*s.* 6*d.* costs in each case.

The Castner-Kellner Alkali Company (Limited) *v.* The Commercial Development Corporation (Limited).

In the Court of Appeal, on Thursday, judgment was given in the appeal by the defendants in this action from an order of Mr. Justice Bigham, who had granted an injunction in respect of the alleged infringement of Carl Kellner's patent for an invention of improvements on the electrolytic apparatus for decomposing alkaline salts. The defendants, whilst denying infringement, contended that the plaintiffs' patents were bad for disconformity. It was submitted on their behalf that Kellner's patent was bad, because, though it differed from a prior patent (Castner's), it involved no substantial invention within the statute of monopolies, nor was any substantial increase of utility shown over Castner's patent.

The Master of the Rolls, in his judgment, said that the action was brought under very unusual circumstances. The plaintiffs' patent sued upon had never been used commercially because a prior patent belonging to the plaintiffs had been found to answer their purposes better, but this prior patent was not relied upon by the plaintiffs in the action. Moreover, the defendants had not begun work, so that no infringement, in fact, could be proved They had, however, constructed some apparatus according to another patent, Rhodin's of 1896, and they had admitted that they intended to use this apparatus. Kellner's patent was for making an open-mouthed vessel containing an electrofied solution of salt over a stationary layer of mercury covered over fresh-water. The vessel is to be moved in such a way that the electrofied-salt solution shall be in contact with part of the mercury for a time, and then be shifted to another part whilst the mercury is acted upon by the salt-water, and converted into an amalgam of mercury and sodium, or be brought into contact with the fresh-water so as to decompose the amalgam into mercury and soda in solution. This invention, so far as he could judge, was novel and useful. Having discussed the differences between this invention and that which the defendants used, his Lordship said an invention for keeping the mercury still could not be an invention for keeping it moving, and he found that the defendants' apparatus could not be worked with advantage unless the mercury was kept in rapid motion. In his opinion, the judgment ought to be reversed, and judgment entered for the defendants with costs, and the plaintiffs must pay the costs of the appeal.

Lord Justice Rigby concurred, with a judgment of some length.

Lord Justice Vaughan Williams differed, and explained his reasons for so doing in an exhaustive judgment, which he then withdrew.

Judgment was then entered for the defendants in accordance with the finding of the majority of the Court.

Delay in Supply of Iron Girders.

On April 6, at the Oldham County Court, Messrs Kay, Bowes & Co., iron-merchants, Manchester, sued Messrs. Hulme & Co., wholesale druggists, Oldham, for the price of certain iron goods supplied in connection with the alteration of defendants' premises. There was a counterclaim by Hulme & Co. for 22*l.* 9*s.* 1*d.*, damages for breach of plaintiffs' contract to deliver ironwork within a certain time. It was intimated that the claim of the plaintiffs had been paid, and the only matter for the Court to decide was the counterclaim.

The case of Messrs. Hulme & Co. was that they were making extensive alterations on their premises, and ordered a quantity of iron girders from Kay, Bowes & Co., which were to be supplied within fourteen days of the order. Their contention was that the order was not carried out until long after the fourteen days, and that loss was consequently sustained in bricklayers' wages, labourers' wages, storage, and loss of trade.

Mr. Kay, one of the plaintiffs, gave evidence to show that no definite order was given by Hulme & Co., and that it was because of want of definite orders that the material was not supplied within the time specified.

His Honour came to the conclusion that there was a breach of contract, but he considered 7*l.* would be sufficient to cover the claim. Judgment was accordingly entered for the defendants for that amount.

New Companies & Company News.

Express Photo-developing Machine Company (Limited).—Capital 2,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in photographic materials and apparatus, photographers, printers, &c. Registered without articles of association. Wm. F. Crawford, gentleman, 160 Westbourne Terrace, W., is the chief shareholder with 500 shares.

Barlow's Lawton Springs (Limited).—Capital 3,000*l.*, in 1*l.* shares. Objects: To adopt an agreement with Alfred Chew, and to manufacture, sell, and deal in mineral and aërated waters, essences, chemicals, and cordials. The first directors are Wallace Lumb, Holloway Stone, J. H. Grainger, Arthur R Moody, E. Hart Cowlishaw, and J. W. Heath. Registered office, Lawton Springs, near Kidsgrove, Staffs.

Keratol Syndicate (Limited).—Capital 15,000*l.*, in 1*l.* shares. Objects: To adopt an agreement with the Central Finance Corporation (Limited), and to manufacture, sell, and deal in chemicals, drysalteries, sanitary and disinfectant preparations, drugs, dyes, stains, colours, compositions, enamels, varnishes, paints, pigments, oil, soap, paper, pulp, &c. Registered office, 20 Bishopsgate Street Within, E.C.

Trades Markets and Exhibitions (Limited).—Capital 35,000*l.*, in 1*l.* shares. Objects: To acquire and carry on the undertakings of "The Confectioners', Bakers', and Allied Traders' Annual International Exhibition and Market" and "The Grocery, Provision, Oil and Italian Warehouse, and Allied Trades Annual International Exhibition and Market." The first directors are Charles Hubbard, James Rogers, Geo. J. M. Kearton, Walter E. Aylwin, Arthur T. Dale, and John Reynolds (life directors with thirty guineas each per annum). Registered office, 27 Leadenhall Street, London, E.C.

British Somatose Company (Limited). — Capital 30,000*l.*, in 1*l.* shares. Objects: To adopt an agreement with Alfred G. Salamon, to buy, sell, import, export, and deal in

the food product known as "Somatose," and, with the consent in writing of the Farbenfabriken vorm. Fr. Bayers and Company, of Elberfeld, Germany (but not otherwise), to manufacture the said food. The first subscribers (each with one share) are:—Richard Bannister, 59 Tregunter Road, West Brompton, S.W., analytical chemist; R W. Greeff, 20 Eastcheap, E C., merchant; Richard Harvey, 7 Mincing Lane, E.C., merchant; J. J. Jones, 51 and 52 Fenchurch Street, E C., merchant; Alfred G. Salamon, 1 Fenchurch Avenue, E.C., consulting chemist; R. Salamon, merchant, and James Parr, clerk, of 165 Queen Victoria Street, E.C. The first directors are Richard Bannister, F.I.C., Robert W. Greeff, Malcolm A. Laing, and Alfred G. Salamon, F.I.C. (managing director).

Thonger's (Limited).—Capital 1,000*l.*, in 1*l.* shares, Objects: To carry on the business of chemists, druggists analytical chemists, manufacturers of and dealers in pharmaceutical and chemical articles, oils, fats, soaps, &c., tea dealers, grocers, oil and colour men, Italian warehousemen, &c. The first subscribers (each with one share) are:—W. T. Bettinson, 90 Beeches Road, West Bromwich, chemist and druggist; W. G. Blackham, 675 Holloway Road, N., chemist and druggist; C. T. Thonger, medical dispenser, and W. H. Thonger, traveller, of 30 Upper Hagley Street, Birmingham; F. P. Lucas, 15 Grove Hill Road, Handsworth; A. E. Underhill, 17 Grove Hill Road, Handsworth, cashier; P. H. Brant, Column Villa, Belvedere Road, Shrewsbury, electrical engineer.

Wardle's Drug-stores (Limited)—Capital 1,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on by George R. Wardle at 28 Egerton Street, Moses Gate, near Bolton, as "Wardle's Drug-stores," and to carry on the business of chemists, druggists, drysalters, oil and colour merchants, and makers of the "Eldraw's" specialities. The first subscribers (each with one share) are:—George R. Wardle, drysalter, and Elizabeth Wardle, housekeeper, of the above address; J. W. Stones, mill-manager; Thomas Wardle, grocer; John Wardle, clerk; Samuel Stone, grocer; Joseph Beddows, butcher, all of Bolton. Registered without articles of association. George R. Wardle is the managing director. Registered office, 28 Egerton Street, Moses Gate, near Bolton.

The Russell Syndicate.—Capital 2,000*l.*, in 1,000 preference and 1,000 ordinary shares of 1*l.* each. The objects of the company are to carry into effect an agreement with Wm. Russell, jun., and carry on business as manufacturing chemists, drysalters, and merchants, and in particular to purchase or acquire the sole right of, and to make and sell, a composition known as Russell's ointment. The first subscribers are:—William Russell, jun., merchant, 12 Rothesay Gardens, Partick; Frank Fowles, advertising agent, 33 University Avenue, Glasgow; David Patrick, grocer, 26 Byars Road, Glasgow; Mrs. Lily Fowles, 33 University Avenue, Glasgow; Miss Ada Hider, 33 University Avenue, Glasgow; Robt. N. Massiah, 1 Cecil Street, Glasgow; Henry T. Thomas, salesman, 1 Cecil Street, Glasgow.

Headland's (Limited).—Capital 40,000*l.*, in 1*l.* shares 20,000 6*l.* per cent. cumulative preference). Objects: To adopt an agreement with Horace A. Costerton for the acquisition of six chemists' businesses carried on by him at Brighton and Hove as "Headland & Co.," and to carry on the business of chemists, druggists, indiarubber and waterproof dealers, restaurateurs, manufacturers of mineral and aerated waters, tobacconists, &c. The first subscribers (each with one share) are:—Horace A. Costerton, chemist, and Mrs. Fanny C. Costerton, Ashlyn, Preston Park, Sussex; H. C. Thorne, 100 Western Road, Hove, chemist; C. S. Ashton, 3 Chatsworth Road, Preston, Brighton, chemist; H. J. Markes, 5 Hamilton Road, Brighton, engineer; W. H. Andrews, 9 Montreal Road, Brighton, clerk; G. J. Clewer, 15 Prince Albert Street, Brighton, solicitor. Registered office, 90 Western Road, Brighton.

Pacific Borax and Redwood's Chemical-works (Limited).—At an extraordinary meeting of the shareholders of this company, held on April 7, at Winchester House, Old Broad Street, E.C., it was unanimously agreed "That the company be wound up voluntarily." The Chairman (Sir Alex. Wilson) announced that a confirmatory meeting would be held on April 24.

Brunswick Quinine-factory.—On account of the Brunswick law, which has now doubled the rate on incomes derived from limited liability companies, the above firm have given up the company form and become a private firm, with the trade name "Brannschweig, Buchler & Co, Quinine-factory." Mr. Hermann Buchler, the founder of the factory, after seventy years' activity, has taken this as a convenient opportunity to retire.

Dr. Tibbles' Vi-Cocoa (1898) (Limited).—The directors report that the net profit for the year ending February 28 amounts to 34,009*l.*, the trading-account showing a gross profit of 234,475*l.*, advertising, rents, salaries, &c, absorbing the difference. After payment of interest to vendors on purchase-money and preference dividend, 10,194*l.* 8*s.* 8*d.*, the directors recommend that the dividend on the ordinary share capital (which is all held by themselves and their friends), be made up to 6 per cent. per annum, placing to reserve 10,000*l.*, and also to reserve account for doubtful debts 750*l.*, leaving a balance to be carried to next account of 1,163*l.*

The Ammonia Foam Company (Limited).—At the Birkenhead County Court, on April 11, an application was made for the compulsory winding-up of the above-named company. The petitioning creditors were Messrs. Blake & Mackenzie, Messrs. T. B. Browne (Limited), and Messrs. Rawcliffe Brothers. Mr. Tobin (for the directors) said he wished it to be known that the winding-up order was not made adversely to the wishes of the directors or in spite of them. His Honour made the order.

Headland's (Limited), Brighton and Hove, has very promptly followed the curiously contrived amalgamation of bookmakers, grocers, ladies' tailors and chemists' businesses under the title of Robinson, Headland & Co. (Limited), which we reported on in our issues of March 25 and April 1, and which, we presume, must have failed to win sufficient favour from investors. The new company will take over the six chemists' shops carried on at Brighton and Hove under the style of Headland & Co. The company is to pay to the proprietor of this business, Mr. H. A. Costerton, the sum of 34,600*l.* Of this, 25,000*l.* is to be in fully-paid ordinary and preference shares, and the balance is to be in cash or debentures at the option of the directors. The share capital is 40,000*l.*, half of which is in 6-per-cent. 1*l.* preference shares, and half in 1*l.* ordinary shares. Only 7,000*l.* preference shares are offered to the public; of the ordinary shares, 5,000 will be allotted to the vendor, and 8 000 reserved for future issue. Another 8,000*l.* in 4 per-cent. debentures is also offered for public subscription. The directors of the company are to be Mr. C. S. Ashton, chemist; Mr. H. A. Costerton, chemist; Mr. H. C. Thorne, chemist; and Mr. W. Jago, F.I.C., analytical chemist. The accountant's certificate is to the effect that the net profits of last year were sufficient to pay the interest on the debentures and preference shares, and to leave 8 per cent. for the ordinary shares, as well as a balance available for a reserve fund. It is stated that the firm dispensed 35,000 prescriptions in 1898 A feature of the company is to be the allotment to each of the chief assistants who have been twelve months in the company's service of 25*l.* in ordinary shares for each 100*l.* per annum salary received by him, while the staff will also share in the profits after 8 per cent. has been paid on the ordinary shares. The allotment and distribution to the staff will be entirely at the expense of the vendor.

Secret Service Secretary: "I want a man who is skilled in translating ciphers." Applicant: "Then I'm your man. For two years I've been a prescription-dispenser in a West-end pharmacy."

The Institute of Chemistry gives notice to students who registered under regulations in force prior to October 1, 1893, that unless they present themselves for examination before March, 1900, their names will be removed from the register, and that no candidate will be examined under those regulations after July, 1901.

Personalities.

Dr. Raoul Pictet, the low-temperature chemist, is building a laboratory in New York.

Mr. W. Butcher, chemist, of Blackheath Village, has been elected a member of the Board of Guardians.

Mr. J. J. Matthias, pharmaceutical chemist, Lewisham, has been re-elected a member of the Board of Guardians.

Mr. J. Crosby Robson, pharmaceutical chemist, Middlesborough, has been appointed Chairman of the Redcar and Kirkleatham District Council.

At the Easter Vestry, St. Philip's Church, Nottingham, Mr. G. U. Spratt, a manager with Messrs. Boots (Limited), was reappointed vicar's warden.

Mr. W. Bousfield, representative of Messrs. T. J. Smith & Nephew, of Hull, has been appointed Secretary to the Jameson Scholarship Trustees of that city.

Mr. Adrian J. Brown, F.C.S., chemist to Messrs. Salt & Co., Burton-on-Trent, has been appointed Professor of Brewing at Mason College, Birmingham.

Mr. Alderman Bower, the chemist Mayor of Macclesfield, presided at the meeting of the Town Council on April 6 for the first time after his serious illness.

Mr. Chas. A. Hill, of Messrs. Davy, Hill & Son, Yates & Hicks, Southwark, and Mr. Francis H. Carr, of Messrs Burroughs, Wellcome & Co.'s scientific staff at Dartford, have been elected Fellows of the Institute of Chemistry.

Mr. John Thompson, of 58 Hanover Street, Liverpool, asks us to state that he has again heard of a person representing himself to be his son, calling on London firms with whom Mr. Thompson has business, and obtaining a loan from them on a false story of having been robbed of his watch and money.

Mr. J. A. Steward, the chemist Mayor of Worcester, on April 6 presided at a farewell banquet given to Earl Beauchamp before his departure for New South Wales as Governor. Prior to the banquet Mr. Steward presented to Earl Beauchamp an address of congratulation, and subsequently received, on behalf of the city, the gift of the gates of Pitchcroft, which had been erected and presented to the city by Earl Beauchamp.

Mr. James Whitelaw, chemist, 496 St. George's Road, Glasgow, is the subject of an extended notice in the *People's Friend*. Mr. Whitelaw is believed to have rediscovered the secret of the violin varnishes used by Stradivarius and other old masters. The writer of the notice says no other experimenter has come so near the old Cremona varnishes except Dr. George Dickson, Edinburgh, who has not, however, put his varnish upon the market. Mr. Whitelaw charges 4*s.* for a 2-oz. bottle. Fine fossil amber is the basis of the varnish, Mr. Whitelaw says. Seven or eight coats of this varnish, or more, are used by violin-makers, who rub them down and polish with tripoli and oil.

Mr. Wm. Hindle, chemist, Gorleston, started in January last for a trip to Odessa, for the benefit of his health, in the large iron screw-steamer *Science*, owned by Messrs. Westcott & Lawrance, of London. The vessel touched at Malta, and also stopped at Alexandria. From the latter place Mr. Hindle took a trip to Cairo and the Nile. Here he caught a violent cold, and after resuming the voyage became so indisposed that when the next stop was made, at Constantinople, Mr. Hindle decided to journey home overland. The steamer in which he would have returned was run down by the British steamer *Daybreak*, off Lisbon, whilst on her voyage back, and sunk. The crew were rescued and taken into Lisbon.

By the will of the late Mr. Richard Cadbury charitable legacies to the value of 40,000*l.* are left, to be paid at the end of six years. Amongst the principal bequests are:—Temperance Institute, London, 10,000*l.*; Friends' Foreign Missions Association, Birmingham General Hospital, and Birmingham Eye Hospital, 5 000*l.* each; Birmingham Ear and Throat Hospital, Birmingham Orthopædic Hospital, and Friends' Adult First Day School, Birmingham, 2,500*l.* each: The Friends' Home Mission Association, 4,000*l.* For fourteen years the income from the sum of 10,000*l.* is to be applied for the purpose of carrying on the Gospel Temperance Mission, Birmingham. By an agreement between the late Mr. Cadbury and the surviving partner, Mr. George Cadbury, it was provided that on the death of either the business of Cadbury Brothers should be at once converted into a private limited-liability company, all the shares being held by members of the family.

Mr. Hills was not quite correct when he said at the Pharmaceutical Council meeting on Wednesday that Mr. T. Maben, who has retired from the Board of Examiners for Scotland, was the oldest examiner. Mr. John Nesbit has that distinction, he having joined the Board some years before Mr. Maben. They caught Mr. Maben young when they put him on the Board, and although he retires after fifteen years' experience he is not yet many years on the wrong side of forty. We understand that Mr. Maben is leaving Hawick for Glasgow, partly in order that his children may have the advantages of the educational facilities presented by a university city. The principal reason, however, is that Mr. Maben is to join Mr. T. S. Barrie, as co-principal of the West of Scotland College of Pharmacy, 157 St. Vincent Street, Glasgow, and he will enter on his duties in that institution on August 1. Mr. Maben has long taken an interest in education, and many years ago conducted classes under the Science and Art Department in Hawick, after studying for some time in the Royal College of Science, London. He is at present Chairman of the Hawick Burgh School Board. His work in connection with pharmacy, especially the B.P.C. Formulary Committee, is well known to pharmacists.

The partnership between Messrs. Wills & Wootton, of the Westminster College, expires on June 30, after which date Mr. Wills will continue the College. Mr. Henry Wootton, B.Sc., who has been associated with him for twenty-one years, has taken a large house, 323 Clapham Road, S.E., which he is now having fitted up as class-rooms and laboratories, and will open it on July 1 as "The London College of Chemistry, Pharmacy, and Botany." There is a quarter of an acre of ground attached to the house, and this Mr. Wootton is laying out as a botanic garden—a novel thing in this country so far as Schools of Pharmacy are concerned, and the idea is a fair index of Mr. Wootton's thoughtfulness as regards his students. Mr. Wootton (whose portrait we give) is a B.Sc. London University, and a painstaking teacher and lucid lecturer. He will be assisted at the London College by Mr. W. A. Knight, Ph.C., Pereira Medallist, who will take charge of the pharmaceutical laboratory.

A Peculiar Industry of Kern County, California, is the collection and shipment of horned toads. They are sold to the Chinese, who use them in the treatment of rheumatism.

German Naval Pharmacists.—We notice that there is a vacancy in the Naval Apotheke at Wilhelmshaven, and it is interesting to note the conditions which applicants must fulfil, and which are as follows:—Every applicant must furnish (1) a self-written account of his life; (2) testimonials; (3) a certificate from a military doctor; (4) an attestation that his circumstances are regular, and that he is not in debt; (5) a declaration that, if required, the applicant would undertake the management of the Government Apotheke at Tsintan. It is, of course, understood that applicants are fully-qualified apothekers. The salary is 95*l.* a year.

Correspondence.

Notice to Correspondents. *In writing letters for publication correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.*

Compatibilities of Digitoxin.

SIR,—On page 507 of your issue of March 25 there is an inquiry regarding the incompatibilities of digitoxin. The following information may be of interest:—

The administration of digitoxin with mineral and organic acids is to be avoided, as both cause decomposition of the digitoxin. Its administration with vegetable infusions is also not advisable, as such infusions mostly contain tannin, and the efficacy of the digitoxin is thereby diminished.

Digitoxin is best administered in alcoholic mixtures, as it is soluble in alcohol.

Further, it may be recommended in compressed tablets with sugar of milk, kaolin, or terra silicea.

Yours truly,
pp. E. MERCK,
F. B.

16 Jewry Street, E.C.
April 7.

The Lord Chancellor's Bills.

SIR,—I would suggest that the Pharmaceutical Society should supply a form of protest against the Lord Chancellor's Bills to each local secretary, and that all chemists—members of the Society or not—proprietors, or assistants (qualified), wholesale or retail, should be invited to attach their signatures. This would show a united front from the whole of the craft in the kingdom, and such a protest would, it seems to me, be much more powerful than chemists individually writing to members of Parliament or peers, who in most cases would either be amused or irritated by such personal appeals.

If vigorous action such as this were initiated and carried through by the Society, I think it would do more to obtain an increase in their membership than any empty honour or advantage that can accrue from being entitled to call oneself a "member" or "associate" of the Society.

Yours, &c.,
G. D. Y. (239/10.)

A Parable.

SIR,—On an estate in the Highlands belonging to an estimable noble lord there is a fine trouting-stream. Parallel to the river for a mile or two, but at some distance from it, there is a road. For a part of the way the road, which is unfenced, goes through a common. Shortly after leaving the common it leads round a "knock" which lies between the river and the road. Just behind the rising ground there is a post, with a board facing the road, whereon is painted a notice to anglers, intimating that the fishing is strictly preserved, and that anyone disregarding this notice and found fishing in the —— shall be prosecuted with the utmost rigour of the law. Speaking on one occasion to one of the shepherds, I pointed out how useless this board, placed where it is, was as a warning to fishers, few, if any, of whom would ever see it, because, reaching the water where it bounds the common, they would naturally proceed along the bank of the stream, where no prohibition is posted, and probably never go along the road at all. Judge my surprise when my very intelligent friend told me that nobody was ever interfered with for fishing in the river, and that the notice was there "to prevent strangers taking dogs on to the hills." This true tale serves well as a parable to illustrate the present position of pharmacy-law in this country, and the Lord Chaucellor's Bill would have its analogue if the head gamekeeper on the estate referred to were to suggest to his employer to nail another board to the post stating that the notice on the board above does not mean what it purports, but that it is there to prevent dogs being taken on to the hills.

Yours faithfully,
C. A. MACPHERSON.

Edinburgh, April 10.

The Sale of Food and Drugs Act.

Mr. Frederick Davis, of the Imperial College of Chemistry Ludgate Circus, E C., sends us a copy of a letter he has addressed to "The Chairman of the Select Committee upon the Sale of Food and Drugs Act." [We may state that the Committee to which the Amendment Bill is referred is not a Select Committee, but is the Standing Committee on Trade. The Chairman of that Committee is hardly likely to propose any amendments; it would be better to communicate with some sympathetic member.] Mr. Davis writes in respect to the prosecution of chemists for supplying sweet spirit of nitre, Gregory's powder, and calcined magnesia said to be not of the quality of the article demanded. He adds: "I know positively, from the experience of fifteen years in defending these men, that in many cases the substance has in no way been tampered with, and that the decomposition, when present, is due to spontaneous changes which, in the ordinary course of business, cannot be obviated." Mr. Davis then explains how the ethyl nitrite escapes from the spirit of nitrous ether, and how the oxide of magnesium in the Gregory's powder, when exposed to the atmosphere, absorbs moisture and carbonic-acid gas, becoming converted into hydroxide and carbonate of magnesia. He suggests that the purchasing inspector should be required to ask for the freshly-prepared substance or compound, and that in all cases the bottle or receptacle should be quite full and properly corked, and that the substance should be analysed and reported upon within twelve hours of the purchase. He further advocates that milk to which a preservative has been added should not be allowed to be sold for invalids or young children unless bearing a label stating the fact.

Miscellaneous Inquiries.

Notice to Querists. *We reply to subscribers and their employés only upon subjects of interest to other readers generally. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and it must be distinctly labelled Queries are not replied to by post, and those sent anonymously are disregarded.*

221/31. *Subscriber* (Sunderland).—The specimen which you send is not ambergris. In consistency and appearance, and slightly in odour, it resembles civet, but that is a substance which is not likely to be found on the coast of the Shetland Islands. It appears to be an animal excrement of some kind, however, and, we should think, valueless for perfumery-purposes, but that is a point you can put to experiment.

221/67 *B. H. A.* — Tomato-sauce.—See *C. & D.*, August 22, 1896, page 328, or "Pharmaceutical Formulas," page 266. Worcester Type Sauce.—See *C. & D.*, March 12, 1898, page 456, or "Pharmaceutical Formulas," page 267.

218/9. *E. H. J.*—The formula for Cold in Cattle in "Veterinary Counter-practice" (in most editions on page 163) should read as follows:—

Tr. arnicæ	ʒij.
Spt. camphoræ	℥vj.
Pulv. capsici	ʒj.

To be mixed with from 1 to 4 pints of hot beer.

228/32. *Sweetmeat.*—There is nothing peculiar about the specimen of butter-scotch. Beyond the trace of essences of lemon and almonds present the flavour is natural to that substance.

224/73. *A. H. M.*—The point you ask as to the maceration-tinctures of the B.P. is discussed in the DIARY, page 522.

224/57. *C. H.*—**Student's Book on Microscope.**—Griffith's "Elementary Text-book of the Microscope," 7*s.* 6*d* (Gurney & Jackson).

231/43. *Sympatheticus*—As far as your query comes within the scope of this journal we recommend you to read up "Pharmacy and Poison Laws" (Office of the *C. & D.*) and "How Do I Stand" (Mawson, Newcastle). These will give you an idea of the laws and business methods of a chemist's business. As to what books to place in the hands of a chemist's assistant "who has a somewhat hazy knowledge of most things," we think an intelligent study of good daily and weekly newspapers useful. Brewer's "Handbook" (Chatto & Windus) is useful for turning up the references met with in the daily press.

225/9. *Ballad.*—**Petroleum-emulsion.**—We last published a formula for this in the *C. & D.*, October 16, 1897, page 642.

218/23. *T. J. B.* sends us a specimen of a Natal root which is much used by natives there "in dysentery of man and beast; also in the preparation of *isebebe*, a snake-bite remedy, which is made by grinding the head of a poisonous snake, and adding some of this root powdered. After a native is bitten he cuts all round the limb above the wound, and rubs a little of the powder into the cuts; he then takes a small pinch of it in water." [The specimen which our correspondent sends contains several things. One is a plant, with the root attached, of a species of *Elephantorrhiza* allied to *E. Burchellii*. It is a leguminous plant which created considerable interest at the time of the Colonial and Indian Exhibition in 1883 as a tanning-material. The root is the part employed, and is known under the name of "Elands Bontjes"; it contains 25–37 per cent. of tannin. The leaflets of the plant sent for determination are somewhat smaller than those of *E. Burchellii*. The small piece of detached root said to be included in the preparation of *isebebe*, and used in the treatment of snake-bite, may perhaps belong to the same natural order as the above, and be afforded by a species of *Acacia*. It would be well to forward, if obtainable, leaves and flowers of the plant, so that its identity may be accurately determined. But, probably, the foregoing may satisfy our correspondent. Experience of native remedies is that they are much overrated. In this case, the head of the serpent, being "the hair of the dog that bit," may be the real antidote to the little poison remaining after the environment of the wound is scooped out, and the tannin in the root accounts for its antidysenteric properties]

230/72. *Entomologist* (Canada).—**Formalin-solution** for preserving entomological specimens is prepared by diluting formalin (40 per cent.) with twenty times its volume of water. For some purposes 1 oz. of chrome alum to 1 pint is added.

224/58. *Primus.*—**Making and selling Wood-stains** is a side-line which many chemists have found very profitable. In "Pharmaceutical Formulas" you will find recipes for the different colours.

226/42. *W. W.*—If you cannot get Nankin brown for use in brown-boot polish, Bismarck brown is a good substitute.

225/49. *Cork.*—If you cannot clear the needle of the hypodermic syringe by means of a wire or soaking in water, it had better be discarded, as it is probably rusty, and in that state dangerous to use.

226/15. *Nemo.*—**Charge for Hire of Hand-cameras**—Five to 10 per cent. of the cost of the camera per day is a usual charge; for a week or more a much lower rate is obtained.

223/25. *W. W. C.*—The explosion of the glass mortar was caused by the sudden crystallisation of the glass. Such accidents are fairly common in chemists' shops.

Information Wanted.

The Editor will be obliged for replies to the following from any who can furnish the information.

236/35. Address of makers of Visser's rennet.

Trade Report.

The prices quoted below are the bottom prices obtained for bulk quantities by importers and manufacturers, who do not supply retailers. They are in many cases exclusive of various charges.

42 Cannon Street, London, E.C.: April 13.

QUININE still commands the situation, thanks to the fact that the German manufacturers on Monday afternoon reduced their quotation by 3*d.* per oz. This was arranged without the knowledge of their English *confrères*—a fact which is generally regarded as discourteous. English makers maintain that the reduction is unjustifiable, because quinine sulphate costs to produce, on the basis of the 2½*d.* unit, not less than 1*s.* 7½*d.* per oz. The feeling generally is that the German move was an attempt to bear the market. We say "was" advisedly, because by Tuesday the agents in London were sparing in their sales, and no maker is at all anxious to sell. The speculative market is quiet, the closing price being 1*s.* 5*d.* In connection with this matter an almost unprecedented event has happened, two Mincing Lane brokers having issued reviews of the situation this week. Messrs. C. M. & C. Woodhouse in their review print the monthly exports of bark from Java from 1896 to date, the imports and exports of bark to and from the United Kingdom and Holland, the exports of quinine and quinine salts from Germany, and statistics regarding London stocks of bark and quinine. In the course of the prefatory note they say:—

The very large speculative transactions in quinine reported are estimated to amount to upwards of 4,000,000 oz. (sales and resales). During the last week there has been a reaction, and some small holders, disappointed with a slight increase in the exports of bark from Java for March, have rather pressed their quinine on the market, and some business was reported at a decline of about 4*d.* per oz. This fall has again brought in buyers, and half the decline has been recovered. Bark has also met with a strong demand from manufacturers, but has not attracted so much attention from speculators. From whatever point it is regarded, the statistical position appears exceptionally strong. Thus in 1897–98 the total exports of bark from United Kingdom and Holland have exceeded the imports, therefore the various manufacturers of quinine in England and Holland have had to supply their requirements out of stocks. Also it seems from the exports of quinine and quinine-salts from Germany, that lately the manufacturers there have been drawing on their stocks of bark and quinine to fulfil their engagements for export, in addition to the sales they have made in Germany. These facts lead us to the conclusion that, at any rate with bark below 1*d.* per unit, and with quinine selling under 1*s.* per oz., consumption has overtaken production. The problem that now has to be solved is, what advance in prices of quinine and bark will be necessary to check the consumption of the one, or to attract largely-increased supplies of the other? The answer to that question cannot be known for a good many months, *i.e.*, until we know the exact condition of cinchona-planting in Java.

Messrs. Wilson, Smithett & Co.'s review is briefer than their neighbours', and is also historical. They examine all sources of bark, and indulge in a little statistical prophecy by saying that there is no sign of Java's output increasing this year. East India will send us less than last year, Ceylon is likely to do the same, and when the disturbances in Ecuador are suppressed we may get more Calisaya bark, but, taking everything into consideration,

the main facts deduced are that the visible supply of bark is seriously reduced, while the whole of the large supplies of the last few years have been entirely absorbed, and stocks in the two ports of Amsterdam and London very much depleted; these can only be made up by a wholesale harvesting in Java which would entail a sacrifice of future supplies, which we cannot consider possible in any way, and which would moreover ensure, for several future years, an absolute famine of the raw material.

The only further observation that need be stated here regarding the week's transactions is that German manufacturers are reported to be buying back quinine that they had sold for April and May, which, if true, is not inconsistent with their reduction of price.

Drug-auctions were held to-day, and the report of them is

appended. The supplies were large. As to other movements we must allow the subjoined table to speak:—

Higher	Firmer	Lower
Aloes, Cape	Belladonna	Buchu
Arsenic	Cascara sagrada	Cassia lignea
Ipecac.	Opium	Chillies
Saffron		Ergot
Snake-root		Oil, castor
Vanilla		Pimento
		Quinine
		Sugar of lead

Business Improving.

The Board of Trade returns for March again bear witness to the steady revival of the country's trade. Although the imports show a shrinkage of 1,474,067*l.* (accounted for by the fall in the price of wheat), the exports increased by 1,490,536*l.* The imports were 41,492,338*l.*, against 43,412,829*l.* in March, 1898, and the exports 22,324,401*l.* against 20,833,865*l.* For the three months ending March 31 the imports were valued at 118,242,584*l.*, as compared with 119,099,209*l.* for a similar period of 1898, and the exports of British and Irish produce and manufactures amounted to 62,054,041*l.* (including 2,224,289*l.*, the value of new ships not recorded prior to 1899), as compared with 57,707,118*l.* for the three months ended March 31, 1898. The exports of foreign and colonial merchandise for the three months amounted to 16,240,640*l.*, as compared with 15,110,772*l.* in 1898. There were in March increases in the imports of alkali by 2,511 cwt.; brimstone, 4,670 cwt.; gum arabic, 5,211 cwt.; resin, 185,643 cwt.; and unenumerated drugs, 7,099*l.*; while the decreases are more numerous and heavy—viz., ginger by 5,077 cwt.; pepper, 112,545 cwt.; unenumerated spices, 268 595 lbs.; quicksilver, 745,230 lbs. (64,042*l.*); borax, 6 574 cwt.; chemical manufactures, 4,359*l.*; cocoanut oil, 24,342 cwt.; olive oil, 1,026 tuns; palm oil, 18,013 cwt.; petroleum, 670,603 gallons; turpentine, 3,901 cwt.; Peruvian bark, 3,897 cwt.; and gum lac, 6,545 cwt. Among exports alkali shows a decrease of 43,646 cwt., or 8,844*l.*, the amount shipped during March being 302,227 cwt., against 345,873 cwt. in 1898, and 474,790 cwt. in 1897; the total for the three months is 841,795 cwt., as compared with 966,717 cwt. for 1898 The shipments to the United States decreased by 25,260 cwt.; Russia, 5,148 cwt.; Sweden and Norway, 4,071 cwt.; Germany, 13,150 cwt.; France, 968 cwt.; Canada, 308 cwt. On the other hand, the exports to Holland increased by 2,495 cwt.; Spain, 2 585 cwt.; and Italy, 4,626 cwt. Sulphate-of-copper shipments fell off by 2,821 cwt., the figures being 8,912 tons, against 11,733 tons in 1898, and 11 861 tons in 1897. Bleaching-materials increased by 27,239 cwt, or 2,795*l.*, the amount shipped being 117,128 cwt., as compared with 89,889 cwt. Drugs and medicinal preparations were shipped to the value of 94,926*l.*, as against 93,540*l.*, or an increase of 1,386*l.* "Other articles" included under chemicals show an improvement of 1,130*l.* The figures regarding soap indicate that the export trade is still growing, shipments for March showing an augmentation of 3,270 cwt., or 10,645*l.*, the value for the month being returned at 81,734*l.*, as against 71,089*l.*

Heavy Chemicals.

A good all-round business is being transacted, for the most part at unchanged rates, but owing to better inquiry prices tend upwards. *Bleaching-powder* is selling well and is much firmer. *Ammonia alkali* is in better demand for export, as is also *Caustic soda*, and prices for both products are very steady. *Prussiate of potash* tends a shade firmer again. *Sulphate of ammonia* is somewhat lower. Beckton and Beckton terms, about 10*l.* 10*s.* Hull, London, and Leith, all stand from 10*l.* 13*s.* 9*d.* to 10*l.* 15*s.* *Lead-compounds* are steady; nitrate is 20*l.* 10*s.* per ton, Glasgow, white sugar of lead is 26*l.*, and brown, 18*l.* 15*s* per ton, Glasgow.

Liverpool Drug-market.

Liverpool, April 12.

Castor Oil.—Fresh arrivals have eased the tone. Good seconds Calcutta may be bought a shade under $2\frac{15}{16}$*d.*, and $2\frac{3}{4}$*d.* would buy first-pressure French; second-pressure is $2\frac{5}{8}$*d.* *Gum Acacia.*—Soudan sorts firmly held at 67*s.* 6*d.* to 76*s.* per cwt. Soft yellowish gum plentiful at 75*s.* per cwt. *African Ginger.*—Lower, and sales of about 200 bales made at 19*s.* from the quay, and 20*s.* per cwt. in store. *Beeswax.*—Firm. Most parcels of Chilian grey to yellow are picked up as they arrive at 6*l.* 17*s.* 6*d.* to 7*l.* 10*s.* per cwt. *Honey.*—Moving slowly, as holders are very firm, and a few retail parcels sold this week at fully-sustained prices. *Chillies.*—Sierra Leone almost entirely wanting, owing to the short arrivals this season. There are buyers of fine bright at 47*s.* 6*d.* to 50*s.*, but no sellers.

German Market.

Our Hamburg correspondent writes, on April 11, reporting a quiet market there, with so few changes that we may usefully sum up the matter in a paragraph, the prices being for 100-kilo. quantities, unless otherwise stated:—Cape *Aloes* steady at 52m., *Citric acid* quiet at 270m., *Cascara sagrada* firm at 70m., *Condurango* firmer at 71m., Cartagena *Ipecacuanha* available at 16m., *Oil of turpentine* fluctuates daily, and is now 71m. Owing to the surprising reduction of *Quinine* by manufacturers (6m. per kilo. = $2\frac{1}{8}$*d.* per oz.), second-hand holders ask 50m. per kilo. for it.

American Market.

Our New York correspondent, writing on April 4, says things are quiet. *Curacao aloes* were selling at $3\frac{3}{4}$c. per lb. St. Vincent *arrowroot* at 12c. (an advance). *Buchu* is scarce, stocks diminishing, and holders firm at 16c. to 18c. Little *cascara sagrada* offering at $7\frac{1}{2}$c. to 8c. Sales of 20,000 oz. *cinchonidine* were made at 18c., but now 20c. is wanted. *Damiana* in short crop, spot price, $7\frac{1}{2}$c. to 8c. *Elemi* is scarce, and none expected from Manila, price 15c. *Jamaica ginger*, coming forward freely, new crop, natural, is 12c. to 15c., and bleached 18c. to 19c. *Quinine*, though exciting interest, is not lively in itself, secondhand price 36c. to 38c., and makers 40c.; local holders anticipate a 50c.-market in the near future. *Star anise*, abundant and easier at 26c. to 27c. *Sugar of milk* dearer, and 10c. to 11c. for powdered, and *winter green oil*, scarce at $1.20 to $1.25.

Cablegrams.

New York, April 13, 3 14 p.m.:—The market is fairly active. Opium is $3.10, and advancing. Quinine declined 8c. per oz. at the beginning of the week, but has since recovered 4c, and fluctuates considerably, the closing price being 36c. Golden seal is now 70c. per lb., and advancing. German ergot is now 10c. per lb.

* * * *

Hamburg, April 13, 11.31 a.m.—Camphor is quiet, at 355m. for refined; and quinine 50m. per kilo. in second-hands. Agar-agar is advancing, and 310m. per 100 kilos. has been paid. Turpentine is still 71m.

* * * *

Bergen, April 13, 11 35 a.m.:—The Lofoten fishing is now drawing to a close, and fishing has commenced at Finnmarken, so far with poor results. The total catch from the beginning of the season is 21,533,000 cod, against 25,530,000 last year, which will yield 21,150 barrels of refined oil, against 16,426 in 1898. The market is slow, with sales at easier rates—viz., 57*s.* to 58*s.* per barrel, f.o.b.

* * * *

Smyrna, April 12, 6.10 p.m.:—The market here is in a very excited state owing to the purchases up to this evening since Monday amounting to 200 cases, these including current talequale at the parity of 8*s.* per lb., and good druggists' at 8*s.* 2*d.* The crop prospects are still good.

London Markets.

Owing to pressure on our space this week we summarise some items which will be treated more fully in our next. Damaged *Star-anise* sold in auction on April 7 at 72*s.* 6*d.* to 80*s.* per cwt. White *Arsenic*, in powder, is 18*l.* 10*s.* per ton, *ex* ship. Crude and refined *Camphor* are dull. *Cascara sagrada*, 33*s.* per cwt, to arrive. *Damiana* looks like becoming dearer. In *Galls* Persian blue have sold at 62*s.* 6*d.*, and Smyrna at 57*s.* 6*d.* per cwt. *Glycerin* is easier. *Menthol* quiet at 7*s.* per lb. *Cod-liver oil* unchanged. Our cablegram gives the latest news. Good business has been done in *Bergamot oil* at 7*s.* 9*d.* per lb, c.i.f., and in *Lemon* at 3*s.* 6*d.*, c.i.f. American *Oils of pennyroyal* and *Wormwood* are dearer in New York. Dutch *Rose-leaves* can be got at 2*s.* 9*d.* per lb. *Saffron* is higher, 43*s.* per lb. for the best Valencia being the lowest price. Small sales of *Shellac* in auction at unchanged rates. *Snake-root* scarce, at 1*s.* $3\frac{1}{2}$*d.* per lb., c.i.f. *Sugar of lead* is cheaper at 22*l.* per ton, c.i.f.

Acid, Citric.—Quiet but firm, at 1*s.* 2¾*d.* to 1*s.* 3*d* per lb., the latter figure being the makers' price.

Arrowroot.—A fair quantity of St. Vincent offered, and bought in at 4¾*d.* per lb.

Belladonna.—A large business has been done this week at from 38*s.* to 40*s.* per cwt. for root; offers are not so plentiful as they were.

Cocoa-butter.—In auction 100 tons Cadbury's brand sold at 1*s.* 1⅛*d.* to 1*s.* 2*d.* per lb., the average being about 1*s.* 1⅜*d.*

Gum, Tragacanth.—A good business still continues to be done, and last week about 200 cases, mostly fourths and lower grades, changed hands at full values; seconds and thirds have also been dealt in to a small extent. Fine firsts are held for 14*l.* to 14*l.* 10*s.*; flat to good curly seconds have sold at 12*l.* to 13*l.* 5*s.*; and fourths at 8*l* to 10*l.* For fine pale Bagdad 55*s.* has been paid; other grades are held at from 20*s.* to 40*s.* Some further parcels of Syrian tragacanth have been placed on the market, and firsts are nominally held at from 10*l.* 10*s.* to 11*l.* per cwt.

Opium.—The week opened well, there being active buying of Turkey sorts at 8*s.* 6*d.* to 8*s.* 9*d.* per lb. for American account, the prices being a shade lower than those ruling at Smyrna. Soft shipping is practically unchanged. A good business was done at these figures, and a few cases of Persian sold at 10*s.* 6*d.* per lb. A parcel of 11 cases Turkey, sea-damaged, sold in the drug-auction without reserve at 7*s.* 2*d.* to 7*s.* 4*d.* per lb.

Constantinople, March 7.—A quiet tone still prevails, and little business doing, the only sale being a parcel of 11 cases at 7*s.* 7*d.* to 7*s.* 8*d.* per lb., f.o.b., for druggists' grades. Stocks of all qualities to-day in Turkey are the lowest on record, and no great volume of business can be expected before the new crop appears on the market—five or six weeks' time. Reports from the interior respecting the growing crops continue favourable for the moment.

Quinine.—Cheaper in makers' hands. When this was decided upon by the German houses on Monday, English makers strongly urged that the reduction was not justified by the position of bark. This was not disputed by the German houses, who say that the last advance from 1*s.* 5*d.* to 1*s.* 9*d.* was too great, and that it stopped business, and they wish to get some of what is going. Nevertheless, on Tuesday they declined to sell more than 1,000 oz., and that to consumers only. On Tuesday Howards & Sons reduced their price for quinine sulphate by 2*d.* per oz., to 1*s.* 10*d.*, in 1-oz bottles (1,000 oz. lots), but have not sent out a circular; Whiffen's price is reduced by 3*d.*, to 1*s.* 6½*d*, in bulk quantities. The reduction had an immediate effect upon the second-hand quinine-market, as on Tuesday morning there were eager sellers at 1*s.* 5½*d*, and a considerable business was done at that; but the tone of the market gradually recovered during the day, and 1*s.* 6*d.* (spot) and 1*s.* 6½*d.* (August) were the closing prices. Business was quiet on Wednesday, but to-day sales were made for any position at 1*s.* 5*d.* The sellers are chiefly "small people."

Spices.—Public sales were resumed on Wednesday, but there seemed very little demand for the goods offered. Cochin *Ginger* was in good supply, but only a small part sold; bold cut at 65*s.* to 76*s.* per cwt, tips at 25*s.* 6*d.*, cuttings at 17*s*, bright bold rough at 32*s.* to 33*s.* 6*d.* per cwt.; all the washed rough was bought in. Jamaica partly sold at easier rates, common at 58*s* to 63*s.*, middling at 65*s.* 6*d.* to 75*s*, and good to fine 78*s.* to 90*s.* per cwt. Zanzibar *Cloves* are steady: fair sold at 3 3/16*d.* per lb. in sale, and business has been done for delivery at 3 5/32*d.* to 3 3/16*d.* per lb. To-day the spice is dearer, 3 11/32*d.* having been paid for April-June delivery. *Chillies* lower: fair red Zanzibar sold at 29*s.* 6*d.* per cwt., and good red Japan at 33*s.* 6*d* to 34*s.* per cwt. *Pimento* quiet; a small quantity sold at 4¼*d.* to 4½*d.* per lb. for common to good clean. *Cassia lignea* sold cheaply at 35*s.* 6*d.* to 36*s.* per cwt. for common; good old crop was bought in at 54*s*; broken sold at 27*s.* to 30*s.* 6*d.* per cwt. for recent import. *Cassia vera* bought in at 35*s*, and Saigon cassia at 25*s.* per cwt. *Pepper* rather easier: Singapore black sold at 5½*d.* per lb. for June-August shipment. White also lower; Penang sold at 7 1/16*d.* per lb.; Singapore at 8½*d.* per lb. for May-July steamer.

London Drug-auctions.

Eighteen brokers offered supplies to-day as follows:—

	Offered	Sold
Aconite-root	15	0
Albumen	7	0
Aloes, Cape	75	70
Curacao	387	357
Socotrine	50	0
Zanzibar	6	3
Ambergris	3	0
Annatto-seed	106	6
Antimony	50	0
Araroba	22	0
Argol	2	2
Asafetida	321	17
Asphaltum	47	0
Balsam, Canada	6	0
Copaiba	13	8
Peru	3	0
Tolu	48	5
Benzoin (various)	260	48
Briar-roots	1	0
Buchu	87	57
Calumba	238	0
Camphor (refined)	36	1
Canella alba	20	0
Cannabis indica	372	10
Cardamoms	835	347
Cascarilla	13	7
Cassia fistula	12	0
Chillies	15	0
Chiretta	14	3
Cinchona	168	67
Coca-leaves	68	7
Colocynth	32	4
Croton-seed	98	13
Cubebs	178	0
Cumin-seed	42	0
Cuttlefish-bone	157	0
Dill-seed	22	0
Dragon's-blood	40	0
Ergot of rye	50	8
Fenugreek-seed	25	0
Galls	10	0
Gentian	141	0
Gum accroides	28	0
ammoniacum	24	0
arabic	27	2
galbanum	16	0
gamboge	21	1
guaiacum	35	1
kino	28	0
mastiche	19	0
myrrh	67	0
olibanum	1	0
sandarac	34	0

	Offered	Sold
Honey, Jamaica	55	34
Californian	254	0
Insect-powder	79	0
Ipecacuanha (Cart.)	19	14
(Bahia)	3	0
(Rio)	26	26
Kamala	15	0
Kola-nuts	20	1
Lavender-flowers	100	0
Liquorice-root	78	0
Menthol	5	0
Musk	22	0
Nutmeg-paste	2	0
Nux vomica	409	184
Oil, anise (star)	17	0
bay	1	0
castor (E. I.)	38	25
cinnamon	43	0
citronella	21	0
cloves	7	0
cod-liver	40	0
eucalyptus	63	31
lavender (Ang.)	10	0
lemon	8	0
lemongrass	58	0
peppermint	15	0
rose (Bombay)	10	0
Opium	11	11
Orange-peel	73	4
Orris-root	7	2
Patchouli-leaves	44	0
Puree	1	1
Rhatany	10	0
Rhubarb	369	22
Sarsaparilla	88	13
Scammonium	22	0
Scammony-root	342	23
Senna, Alex.	87	17
Tinnevelly	122	69
Shellac	1	0
Smilax	11	0
Soy	15	0
Squills	13	0
Strophanthus	6	0
Tamarinds	136	0
Tonka-beans	7	0
Turmeric	186	0
Vanilla	182	137
Vermilion	3	0
Wax (bees')	268	89
Japan	20	0
Yellow berries	31	0

It was decided to-day that the drug-auctions should go on fortnightly until October. Some of the export druggists wanted a vote of the room taken, but Mr. Lescher protested against this, and objected to the printed dates being altered on the catch-vote of the room. Agreed accordingly.

Aloes.—All the Cape offered sold with good competition 1*s.* per cwt. higher for the best lots, fine bright hard selling at 26*s.*, ditto, slightly drossy, 22*s.* 6*d.* to 24*s.* 6*d.*, ordinary dull and drossy, 20*s.* to 21*s.* per cwt. Good bright livery Socotrine in kegs from Bombay was limited at 75*s.* per cwt. and liquid watery Zanzibar sold at 40*s.* Curaçao, in gourds (1893 import), fair brown livery to capey, sold at 12*s.* to 18*s.* 6*d.* per cwt. New-crop Curaçao is coming along very slowly.

Areca-nuts.—Scarce, and dear. Privately business has been done this week at 50*s.* per cwt., an almost unheard-of price, so far as Mincing Lane buyers are concerned.

Argol.—Two cwt. of pinky brought 35*s.* 6*d.* per cwt.

Balsam Copaiba.—Very quiet. Privately a small sale has been made at 1*s.* 5*d.* per lb. in Liverpool for cloudy Maranham. Fair Bahia and thick Cartagena sold at 1*s.* 3*d.* per lb.

Balsam Tolu.—Good hard can be had from the brokers at 1*s.* 6*d.* per lb.

BENZOIN still maintains its firm position in spite of steady arrivals and shipments; another 80 piculs were shipped from Singapore between March 8 and 13. Fifty piculs arrived in Amsterdam last week, where a better tone also prevails, although there have been small sales at low prices. The stock of 1 000 cases there has a depressing influence. Here the buying has been brisk, at full rates. to-day some fine Sumatra gum of new import was offered; fine bold almondy seconds, well packed, realised 10*l.* 10*s* per cwt.; small to bold pale ditto, 9*l.*; and rather dull, false-packed sides, 5*l.* 10*s.*, subject. Siam in good loose boldish almonds was bought in at 16*l.*, pea-size almonds at 6*l.* 10*s.*, and pickings at 50*s.* per cwt. Good Palembang in tins sold at 60*s.* per cwt.—a high price.

BUCHU.—Cheaper. Bright green longs sold at 5*d.* per lb.; good green round, 6*d.*; and yellowish and stalky, 5*d.* to 5½*d.*

CANNABIS INDICA.—Fair green tops realised 5*d.* per lb. Although holders are disposed to be easier, buyers will not respond.

CARDAMOMS.—All kinds were in good supply to-day—viz., Ceylon Malabars, Mangalores, Ceylon Mangalores and Ceylon Mysores, with abundance of seeds. A few parcels of nice white Mysores suitable for bar trade were offered, but sold at a decline of 4*d.* The prices obtained were as follows:—

Ceylon-Mysores: fine plump medium to bold pale round, 3*s.* 7*d.* to 3*s.* 10*d.*; part split ditto, 3*s.* 5*d.* to 3*s.* 9*d.*; medium ditto, 3*s.* 1*d.* to 3*s.* 5*d.*; split, 2*s.* 10*d.*; lean, 2*s.* 7*d.*; small to medium pale, 2*s.* 5*d.* to 2*s.* 11*d.*; split ditto, 2*s.* 2*d.*; small to bold lean brown, 2*s.* 7*d.*; medium ditto, 2*s.* 1*d.* to 2*s.* 2*d.*; brown splits and pickings, 1*s.* 4*d.*, 1*s.* 7*d.*, 1*s.* 9*d.*; and shells, 11*d.* per lb. Ceylon-Malabars: fair bold pale, 2*s.* 5*d.*: good medium brown, 2*s.* 1*d.*; small to medium ditto, 1*s.* 6*d.*; darkish lean, 1*s.* 8*d.* to 1*s.* 10*d.*; split and shelly pods, 1*s.* 3*d.* to 1*s.* 7*d.*; and very shelly, 1*s.* 2*d.* per lb. For good pale Mangalores, medium to bold, 3*s.* was bid and refused; small lean sold at 2*s.* 1*d.* to 2*s.* 6*d.*; leaner, 1*s.* 10*d.*; and medium split, 1*s.* 4*d.* Grey seeds, 2*s.* 2*d.* to 2*s.* 5*d.*; brown, 2*s.* 4*d.* per lb.

The Ceylon shipments for the week ending March 21 were 16,505 lbs., and, from January 1, 141,188 lbs., of which 105,485 lbs. have been shipped to London. Advices from Colombo dated March 21 report a quiet market and prices easier by 5c. per lb.

CASCARILLA. — Seven barrels of siftings sold at 25*s.* per cwt.

CINCHONA.—In auction good Huanoco crown bark, sound, sold at 7*d.* to 11*d.* per lb.; good Loxa, 10*d.*; damages, 7*d.* and 8½*d.*; Huanoco and Loxa, part mixed, 6*d.* to 7*d.*; and thin Guayaquil, 4*d.* to 6¾*d.* for bold. The stock in first hand on April 12 in Amsterdam, consisted of 2,433 packages Government and 3,741 packages private bark, including the quantity which will be offered in the next auctions, viz., 1 272 packages druggists' bark, 3,364 manufacturing and 3 East Indian.

The arrivals in Amsterdam from Java last week amounted to 992 packages. As indicating the spirit with which the Java March shipments are regarded in Amsterdam, we note that a leading broker there remarks:—"The Java planters should profit by their recent experience, and remember that, while with a little management the value of their product will increase considerably, injudicious shipments of bark are bound to cause a slump in the market."

No shipments were made from Ceylon during the week ending March 21. The total from January 1 to that date is 141,576 lbs., as compared with 167,533 lbs. on the same date in 1898.

COCA-LEAVES.—Broken Truxillo sold without reserve at 9½*d.*, another lot at 10*d.*, and Ceylon at 6*d.* per lb. Privately Huanocos are scarce, and 1*s.* 4¾*d.* per lb. is wanted.

COLOCYNTH.—Further parcels have come to hand this week, and the supply is now large. Lower in auction, fine white bold apple selling at 11¼*d.* per lb., and dry broken pulp at 6*d.*

The exports from Jaffa during 1898 were 42,500 lbs. (1,400*l.*), as compared with 44,000 lbs. (1,000*l.*) in 1897.

CROTON-SEED.—Fair bright Ceylon sold at 55*s.* to 56*s.*, subject.

DRAGON'S-BLOOD.—No really fine lump was offered to-day, although there have been good arrivals recently.

ERGOT OF RYE.—A very sick article, and offering in large quantity; in fact, sellers are eager, and buyers few. Sifted wormy old Spanish sold without reserve at 1*s.* per lb.

The exports from Vigo in 1898 were 13,905 kilos. (940*l.*), as compared with 16,532 kilos. (1,031*l.*) in 1897.

GAMBOGE.—For poor broken pipe of bad fracture 5*l* 5*s.* per cwt. was refused; 9*l* was paid for a package of good bright pipe with orange fracture. Supplies in Singapore are almost exhausted.

GENTIAN.—Quotations from Leghorn come higher at 20*s.* per cwt. c. and f.; good sound root is, however, obtainable on the spot at 16*s.* and there is plenty to be had at this figure. No sales in acution.

GUAIACUM.—Good green gum is still scarce, but low and drossy was in plentiful supply to-day. New York also reports a scarcity of fine gum. For good green medicinal resin, 1*s.* 10*d.* per lb. was paid; the bulk offered was common.

GUM ARABIC.—Holders of Soudan sorts are very firm, but little business has been done lately; further shipments are on the way, and the stock here is increasing. For good Ghezireh gum 45*s.* per cwt. is wanted. Egyptian Amrad is scarce, the market having lately been cleared. No sales in auetion. Trieste grain picked has been sold privately at 6*l.* 12*s.* 6*d.*

HONEY.—Best white Italian is offered at 33*s.* per cwt c. and f. London. In auction fine yellow hard realised 22*s.* to 23*s.*; and 21*s.* to 22*s.* 6*d.* for commoner. Californian was taken out at 40*s.* per cwt.

IPECACUANHA.—Firmer, and tone better. Rio sold well in auction, mostly for American account, at 11*s.* 9*d.* to 11*s.* 11*d.* for good sound root; and 11*s.* 8*d.* for damaged. Fine bold picked sold at 12*s.* 4*d.*; and mouldy at 12*s.* The bulk of the Cartagena offered was sold privately before the auctions; the value to-day is 7*s.* 9*d.* per lb.

KAMALA.—Small sales of good have lately been made at 8½*d.* per lb.

KOLA.—One package good washed West Indian sold at 3*d.* per lb.

MUSK.—The value of fine thin skin blue Tonkin pod Pile 1 is 65*s.*, and there is plenty to be had at this figure

NUX VOMICA.—Privately good quality is still scarce and inquired for; all the recent arrivals have gone into consumption. What offered to-day were common pickings. The pickings sold at 7*s.* to 8*s.* 3*d.* for small button.

OIL, CASTOR.—In auction, East Indian, so-called "firsts," sold at 3¾*d.* per lb.; and seconds at 3⅛*d.* Privately the market is quiet. Hull-made is 23*l.* 10*s.* to 25*l.* per ton in barrels.

OIL, COD-LIVER.—Very quiet, but not yet advanced, the most recent returns from Norway being against that. Prices are a shilling or two on either side of 60*s.* per barrel, c.i.f., for pale medicinal oil.

Bergen, April 8.—The fishing proceeds very badly, and is expected to be closed within the next fortnight for all districts except Finnmarken. Although the fish now being caught are small as regards liver, the quantity of oil in course of refining is accumulating rapidly, while the market remains dull. At this time last year about 500,000 fish were caught at Finnmarken, which yielded 150 barrels of oil. The production at Finnmarken last season was an average one—viz., 4,000 barrels. The exports from Bergen to date are 2,739 barrels, against 2,518 barrels at the same time of 1898. To-day's price for best Lofoten non-congealing oil is 58*s.* per barrel, f.o.b.

OIL, EUCALYPTUS.—Australian globulus, imported this month, sold at 1*s.* 3*d.* per lb.

OIL, LAVENDER.—Genuine English lavender is quoted 45*s.* per lb.

OIL, PEPPERMINT.—A large volume of business has been done in Wayne County oil at 3*s.* to 3*s.* 3*d.* per lb. HGH has been sold privately at 4*s.* 9*d.* to 5*s.* per lb. spot. Hamburg buyers have paid the equivalent of 4*s.* 5*d.*, c.i.f.

The exports from Yokohama during February were 3,260 catties, and from Kobe 2,930 catties.

OIL, STAR-ANISE.—On the spot from 5*s.* 6*d.* to 5*s.* 9*d.* per lb. is quoted.

ORANGE-PEEL.—Dark thin strip sold at 4*d.* to 6*d.* per lb.

ORRIS.—No Florentine or Verona offered. Fair brown Mogador was bought in at 15*s.* per cwt.; and another lot of two serons sold at 12*s.* 6*d.* per cwt.

Puree, offered without reserve, sold at 3s. per lb.

Rhubarb.—Quiet. Only common lots sold, and for these easier rates were accepted. Shensi, good hold flat, even pinky fracture, sold at 1s. ditto, mixed sizes, 1s.; fine bold, round, orange-coated, even pinky fracture, was hought in at 3s. nominally; round and flat Shensi pickings realised 1s.; high-dried medium round wormy fracture sold at 6d.; Canton, good hold round, pinky fracture, sold at 11d. to 1s.; ditto, half pinky, half dark fracture, 10d.

Sarsaparilla.—Unchanged: genuine grey Jamaica sold at 1s. 7d. to 1s. 9d. for sound and 9d. for chumpy; 1s. was refused for Lima-Jamaica, and 1s. 1d. for Guayaquil. Two hales of native palish Jamaica sold at 10½d. for 1 c.c.d.

Scammony Root.—The low figure of 21s. per cwt. was paid for 23 hales.

Senna.—There has been a fair inquiry for Alexandrian leaf of new crop, but the first hand stock appears to he exhausted. The supply of pods is also very small. About 70 bales of Tinnevelly are due to arrive next week. The bulk of the 885 bales of senna in the London warehouses on March 31, consists of common grades. In auction hold green Alexandrian leaf sold at 8d. to 8½d. per lb., yellowish at 7¾d., and siftings at 3½d. Fair bright small Tinnevelly realised 3d. to 3¾d., and small to medium, spotty and hrownish leaf, 2d. to 2¾d. per lb.

Tamarinds.—Two parcels of new crop *West Indian* were offered to-day, consisting of good pasty; the highest hid ohtainable was 12s. per cwt., but the parcel was withdrawn at 14s. A parcel of 50 casks *East Indian, viâ* Bremen, were not landed in time.

Tonka Beans.—Ordinary foxy Paras have sold at 5d. per lb. in Liverpool. No business in auction.

Vanilla.—Only a small supply was offered, consisting of Seychelles, Mauritius, and Tahiti beans, and the rates paid for fine beans were 1s. to 2s. dearer. The following prices were paid:—Seychelles: fine bold beans, 8 to 8½ inch, 25s. to 27s. 6d.; 7 to 7½ inch, 23s. to 24s; 6 to 6½ inch, 21s to 22s 6d.; 5 to 5½ inch, 17s. to 21s 6d.; and various sizes, slightly mouldy, 8s. to 8s. 3d. Mauritius: 8 to 8½ inch, 28s.; 7½ to 8 inch, 25s. to 26s.; 7 to 7½ inch, 24s to 24s. 6d.; 6 to 6½ inch, 23s. to 24s.; 5 to 5½ inch, 23s.; and 3½ to 5 inch, 23s. Tahiti were practically all hought in.

Wax, Bees'.—Genuine Italian is quoted 6l. 12s. 6d. per cwt. c. and f. London. The offerings in auction to-day were small in amount and of ordinary quality, except the Jamaica, which was fine. There were plenty of buyers for the best. The following prices were paid:—Australian, good hard pale, 7l. 5s. per cwt., subject; Calcutta, fine bleached, 7l.; good yellow grained, 6l.; Californian, 6l. 5s. to 7l.; Bombay grey and yellow, 5l. 15s.; Italian, fine colour, was limited at 6l. 10s., and private sales have been made at this figure; Jamaica, good hard fair-coloured wax, fair sorts, 7l. 10s. to 7l. 12s. 6d.; Madagascar, dark yellow hrownish, part earthy, 6l. 5s. to 6l. 10s.; Spanish, good yellow genuine, was hought in at 6l. 12s. 6d. Good yellow Cape sold at 7l.

The exports from Beira during 1898 were 10 tons 6 cwt. 8 lbs., valued at 1,245l.

"Antipyrin" as a Trade-mark.

We have received a copy of Mr. J. Riedel's periodical trade-report, which is an interesting review of the markets during the past quarter. In the course of it reference is made to the antipyrin trade-mark. "The question," says the report, "as to the use of the word "Antipyrin" as a trade-mark has attracted attention even outside Germany. The Höchst Colour Works used the word to describe their preparations from 1890–94 The Patent Office on June 3, 1898, declared that the Höchst Colour Works could not use the word, and they agreed to give it up; but on December 12, 1898, the Patent Office stated that they had withdrawn their objections, and that the word might be used. These vacillating opinions make the whole industry suffer, as was the case with the trade-mark "Phenacetin." It is much to be desired that definite trade-mark regulations should be established in Germany, as they have been for years in England and other countries. With regard to the trade-mark "Antipyrin," the consequence is that manufacturers, agents, doctors, pharmacists, and patients must all get accustomed to the synonyms "dimethylphenylpyrazolone, dimethyloxychinizine, phenazone, antipyreticum, &c., and we shall not be able to find the word 'Antipyrin' in future editions of Pharmacopœias."

Coming Events.

Tuesday, April 18.

Bradford and District Chemists' Association. Annual dinner

Leicester Chemists' Social Union, at 8.45. Annual dinner at White Hart Hotel, Leicester. Tickets, 2s. 9d. each, are obtainable from Mr. F. W. Goodess, Hon. Secretary, Hotel Street, Leicester.

Wednesday, April 19.

Royal Microscopical Society, 20 Hanover Square, W., at 8 P.M. The bioplasm of man—a microscopical study by Professor Lionel S. Beale.

Western Chemists' Association, Westbourne Restaurant, W., at 8.30 P.M. Musical and social evening.

Pharmaceutical Society of Great Britain (North British Branch), 36 York Place, Edinburgh. Evening meeting at 8.30 P.M. Notes on (*a*) "The Pharmacopœial Tests for Acetanilide"; (*b*) "Liquor Strychnini Hydrochloridi"; (*c*) "Liquor Arsenici Hydrochlorici," by Mr. B. Cockburn. "The Temperature at which Ammonium Carbonate, B.P., Lithium Carbonate, and Potassium Bicarbonate Decompose," by Mr. W. B. Cowie. "Dispensing Note on some Powders Prescribed in Cachets," by Mr. J. Rutherford Hill.

Thursday, April 20.

Liverpool Chemists' Association at 7.30. Jubilee dinner at the Exchange Station Hotel. Tickets, 5s. each, may be had of Mr. H. O. Dutton, Rock Ferry.

Chemical Society, Burlington House, Piccadilly, W., at 8 P.M. The papers to be read include "Some Dipyridyl Derivatives from Citrazinic Acid," by Messrs. W. J. Sell and H. Jackson; "On the Interaction of Mercurous and Mercuric Nitrites with the Nitrites of Silver and Sodium," by Dr. P. C. Ray; "The Synthesis and Preparation of Terebic and Terpenylic Acids," by Mr. W. T. Lawrence; and "The Allotropic Modifications of Phosphorus," by Mr. D. L. Chapman.

Saturday, April 22.

Advertisers' Exhibition opens at Niagara Hall, and remains open till May 6.

Secret Commissions.—Mr. David Howard was one of the speakers at the dinner of the London Chamber of Commerce in the Trocadero Restaurant on Tuesday evening. Lord Russell of Killowen also spoke, condemning the 25 per cent. commission which some chemists give to doctors. Since then the secret of Lord Russell's Bill to deal with the subject has been let out.

The Price of Protection.—We have previously noted how the monopoly-system of pharmacy in Germany enhances the value of concessions. A recent example is that of a pharmacy at Freidenstatt, in Würtemburg, which was sold seventeen years ago for 65,000m. (3,250l.), and again changed hands the other day for 155,000m. (7,750l.). In reference to this sale the *Pharm. Wochenschr.* remarks that there are two pharmacies in this town of about 6,000 inhabitants, the population of which has remained almost stationary, and consequently there can be no great increase in custom to account for the difference in the price. The enormous sums paid year by year for pharmacies which are becoming less and less profitable remain an insoluble problem—to the German mind; to us it seems clear that if men qualify themselves as pharmacists, then find that they are debarred by the State from employing their capital as they may, the only thing left open to them is to throw it away on the goodwill of a concession by outbidding others for it. Other examples of recent concession-sales are a pharmacy in Lobseus, bought twenty-six years ago for 66,000m., now sold for 175,000m.; the Pillau Adlerapotheke has been sold five times since 1890, each time at a higher price; the pharmacy in Benkhein (a village of about 500 inhabitants) has been sold for 76,000m.

Pears' Soap

20 Highest Awards 20

LONDON	1851	LONDON	1862
PARIS	1867	SANTIAGO	1875
PHILADELPHIA	1876	PARIS	1878
SYDNEY	1879	BRIGHTON	1881
BOSTON	1883	ADELAIDE	1887
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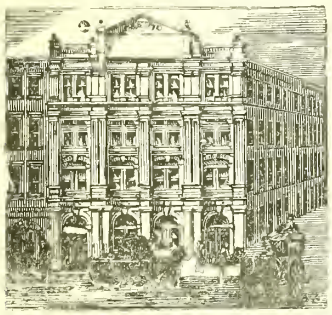

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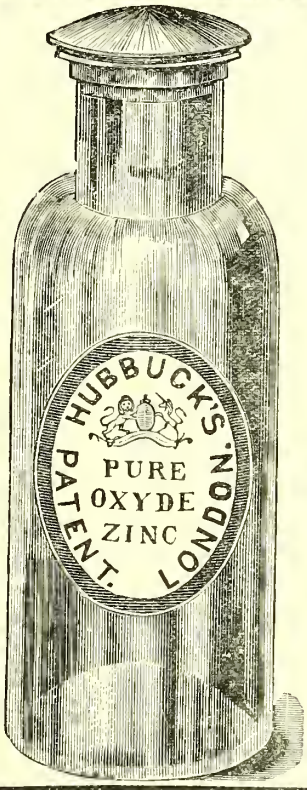

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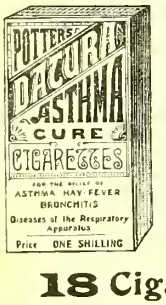

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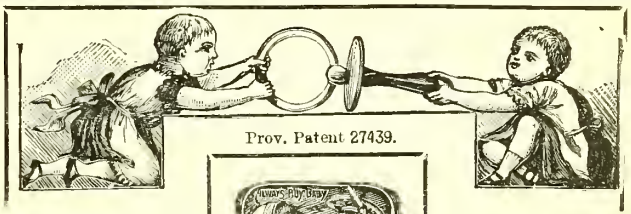

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L103	2d.	Long, Fancy, 2nd size ,,	1/4

			Doz.
L23	6d.	Rubber Ring, Pad and Teat	3/6
L3	3d.	Solid Ring Seamless ,,	1/10
L17	3d.	Rubber Ring ,, ,,	2/-
L37	3d.	Rubber Small ,, ,,	1/6
L36	3d.	Rubber Ring and Pad ..	2/-
L4	4d.	Solid Ring	2/8
L38	4½d. or 6d	Large Rubber Ring	3/-

HEALTH SALINE.
Lever Lids.
Empty .. 9 6 gross.
Filled .. 2 6 doz.
All above are

CITRATE of MAGNESIA.
Lever Lids.
Empty .. .. 12/- gross.
Filled .. .. 3/3 doz.

INSECT POWDER.
Empty .. .. 6/- gross.
Filled .. .. 1/9 doz.

in several colours, making most attractive Window Shows.

For FLY PAPERS
App'y to us before buying, and save money.
Special designs for quantity.

Shirley Brothers, Whitecross Works, Rockingham St., S.E.

TRY IT IN YOUR BATH.

SCRUBB'S CLOUDY FLUID AMMONIA

MARVELLOUS PREPARATION.

Refreshing as a Turkish Bath.
Splendid Cleansing Preparation for the Hair.
Allays the Irritation caused by Mosquito Bites.
Restores the Colour to Carpets.
Invaluable for Toilet Purposes.
Removes Stains and Grease Spots from Clothing.
Invigorating in Hot Climates.
Cleans Plate and Jewellery.

Of all Chemists, Etc. **Price 1s. per Bottle.**

SCRUBB & CO., GUILDFORD STREET, LAMBETH, LONDON, S.E.

Profitable Extras for Chemists.

TOBACCO, CIGARS, CIGARETTES.

AND TOBACCONISTS' FANCY GOODS.

All Packet Tobaccos, Cigarettes, and other Tobacconists' Proprietary goods supplied at Manufacturers' own List Prices, Every Smoker's Requisite and all Novelties—Up to Date—in one order.

MINIMUM OF TROUBLE—MAXIMUM OF PROFIT.

SEND FOR ILLUSTRATED PRICE LIST (200 PAGES), POST FREE.

SINGLETON & COLE, BIRMINGHAM.

Telegraphic Address:
"SOOTHERS BIRMINGHAM."

E. W. B.
Trade Mark

No connection with any other firm of the same name.

DRUGGISTS' SUNDRIES

OF EVERY DESCRIPTION.

Being a Cash Buyer and Manufacturer of the Leading Lines in above, lay myself out to do business and to overcome competition.

QUALITY OF GOODS GUARANTEED.

WRITE FOR PRICE LIST, WHICH WILL BE FORWARDED FREE ON APPLICATION,

EDWARD WOOLF

Manufacturer of Druggists' Sundries,

ST. GEORGE'S CRESCENT, BIRMINGHAM.

JAMES BURROUGH (LIMITED), [1]

S.V.R. 58 o.p. =90 p.o. 60 o.p.

CALE ST., CHELSEA, S.W.

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AT LOWEST PRICES.

Write for Quotations.

BOORD & SON,

DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS

ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.

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FINEST ORANGE WINE FOR QUININE.

PERFECTLY PURE. WRITE FOR OUR PRICES BEFORE ORDERING.

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TINCTURE SPIRIT,

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PURE ORANGE WINE.

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AT LOWEST PRICES.

Special Terms to Large Buyers.

PURE GINGER WINE.

FOREIGN WINE AND SPIRIT MERCHANTS.

SOLE PROPRIETORS OF THE FAMOUS "GLENALLAN" PURE MALT WHISKY.

7 YEARS OLD. THE CREAM OF SCOTCH WHISKY. Per doz. 42/- Per doz.

Dr. MONROE'S

RUBBER TISSUE.

A substitute for Oiled Silk and Guttapercha Tissue.

BOTH Oiled Silk and Guttapercha Tissue have for many years been voted a nuisance by medical men, nurses, and the general public; but, unfortunately, like so many other nuisances, have had to be borne with, simply because they were the only articles at all available for the purpose.

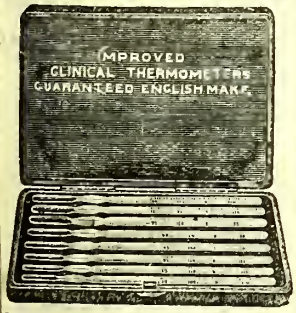
The proprietors, however, of Dr. MONROE'S RUBBER TISSUE, after many years of patient investigation and experiments, have succeeded in preparing a substance not only infinitely better, but far more economical both in price and durability, and quite free from all the objectionable properties in both Oiled Silk or Guttapercha Tissue.

Dr. MONROE'S RUBBER TISSUE is a finely-woven fabric, coated on both sides with pure Para rubber, thoroughly waterproof, non-adhesive, highly flexible, free from creases, easily put on and taken off, and can without any difficulty be cut to the required size.

Furthermore, it never becomes either stiff from the cold or brittle with the heat, and can after use be thoroughly cleansed and purified and rendered quite fit for further use simply by being passed through any ordinary disinfecting fluid.

2/3 per yard; sample yard sent post free for 2/6.

CLINICAL THERMOMETERS.



Show Case Covered Leatherette, and lined with Velvet. Supplied FREE with every order of not less than 1 DOZEN Clinicals.

WARRANTED ENGLISH MAKE.

		Per Dozen
No. 5.	Constricted Stem, Indestructible Index	24/-
,, 6.	"Household," Special Patent (*see foot note**)	24/-
,, 6a.	,, ,, Magnifying Lens	39/-
,, 7.	Constricted Stem, Indestructible Index, ½ minute	30/-
,, 7a.	,, ,, 1 ,, ...	27/-
,, 8.	,, ,, flat back	30/-
,, 9.	,, ,, Magnifying Lens ...	36/-
,, 10.	,, ,, ,, ½ minute	60/-
,, 11.	,, ,, ,, 1 ,,	57/-

The above prices include Nickel Silver Case for each Clinical. All above are ***guaranteed,*** and Buyer's own name and address stamped free on orders of not less than ½-dozen.

THE "HOUSEHOLD" CLINICAL.—Special attention is directed to this instrument. It plainly and clearly denotes "Too Low," "Too High," "Fever"—and, in a word, is invaluable in every household.

Kew Certificates supplied for any of above at 1/6 each extra.

AYRTON & SAUNDERS,

Surgical Instrument Makers,

LIVERPOOL.

Telegraphic Address—"Sundries Liverpool." Telephone Nos. 423 and 5,804.

POROUS PLASTERS

Of Reliable Strength and Guaranteed Purity,

IN RUBBER COMBINATION.

7½ by 5 inches.

In Boxes of 2 dozen.

BELLADONNA, B.P. 1898.

BROWNISH COLOUR, STANDARDISED.

Containing 0·5 per cent. Root Alkaloids.

On Cotton Cloth	per gross	42/-
On Scarlet Felt	,,	48/-

BELLADONNA (LEAF).

GREEN COLOUR. Made from Alcoholic Extract of Belladonna Leaves.

On Cotton Cloth, opt.	special quality and strength	per gross	42/
On Scarlet Felt, opt.	special quality and strength	,,	48/-
On Red Canton Flannel		,,	31/-
On Cotton Cloth		,,	25/-

STRENGTHENING.

On Cotton Cloth	per gross	25/-
On Red Canton Flannel	,,	25/-
On Scarlet Felt	,,	36/-

Other sizes (12 by 7, 9 by 6, &c) at proportionate prices.

Name and Address of any Customer printed without extra charge on lots of one gross, which may be assorted.

SUBJECT TO USUAL DISCOUNT.

A. de St. DALMAS & Co.

(Formerly MOOR—Established 1823),

LEICESTER.

Makers by Appointment to Her Majesty's Government.

THE NEW STOPPER MEASURE

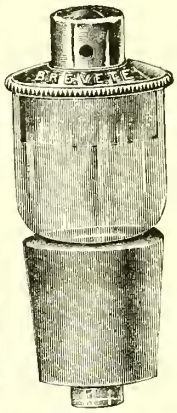
("AUTO-MEASURE KEMPER")

(AS ILLUSTRATED).

Made in Two sizes—Tea & Table Spoon.

Retail Price, 4d. & 6d.

Can be obtained from the following Wholesale Houses:



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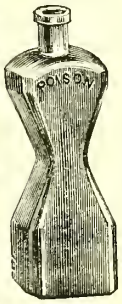
NEW POISON REGULATIONS

STEPHENSON'S PATENT

POISON BOTTLE.



No. 6324.

Price List.	Plain.	Stoppered.
½ oz. deep Blue Glass ..	6/6	24/- per Gross.
1 ,, ,, ,, ,, ..	7/6	26/- ,,
1½ ,, ,, ,, ,, ..	8/6	28/6 ,,
2 ,, ,, ,, ,, ..	9/6	30/- ,,
3 ,, ,, ,, ,, ..	11/-	34/- ,,
4 ,, ,, ,, ,, ..	12/6	36/- ,,
6 ,, ,, ,, ,, ..	15/-	40/- ,,
8 ,, ,, ,, ,, ..	16/6	42/- ,,
10 ,, ,, ,, ,, ..	21/-	50/- ,,
12 ,, ,, ,, ,, ..	24/-	55/- ,,
16 ,, ,, ,, ,, ..	30/-	62/6 ,,
20 ,, ,, ,, ,, ..	34/-	69/- ,,
32 ,, ,, ,, ,, ..	50/-	75/- ,,
40 ,, ,, ,, ,, ..	60/-	88/- ,,

Samples on application to any of the Wholesale Drug or Drugists' Sundry Houses. See opinions of the Press, *Truth, Daily News, Pall Mall Gazette, &c.*

Sole Manufacturers, **Hearns, Lim.,** Eclipse Glass Works, Lea Bridge, **London, N.E.**

Manufacturers of every description of Glass Bottles, plain or stoppered.

DISPENSING BOTTLES.

THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

3 & 4 oz. ..	*7/6* per gross.	10 & 12 oz. ..	*12/-* per gross.
6 ,, 8 ,, ..	*8/6* ,,	16 ,, ..	*16/-* ,,

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

½ oz... ..	*3/6* per gross.	1½ oz.	*4/6* per gross.
1 ,, ...	*3/9* ,,	2 ,, ...	*5/-* ,,

PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 MIDLAND ROAD ST. PANCRAS, LONDON.

Established 50 years. *Bankers—London and Westminster Bank.*

£100

FOR A

Belladonna Plaster Test

IT has come to our knowledge that certain manufacturers have placed upon the market Belladonna Plasters which are made to show a high test for alkaloids, but which it is openly stated are not made of Belladonna, but of other drugs. (See Proceedings A.P.A, 1890, page 155, also "American Journal of Pharmacy," April, 1898, page 182). We are also in possession of facts that tend to show that Plasters made strictly in accordance with the Pharmacopœia, containing a proper portion of extract of Belladonna, from the Laboratories of the most reputable Pharmacists in the world, such as Allen & Son, London; E. R. Squibb & Sons; and Parke, Davis & Co., are condemned by certain analysts as being below the Pharmacopœial Standard.

We are also aware that Belladonna Plasters containing little or no Belladonna, but, stuffed with alkaloids for show assay, are accepted as conforming to the Pharmacopœia. We are also aware of the many difficulties and the lack of uniformity in the chemical assay of Belladonna Plasters, especially in Rubber Compound. (A recent published report of an assay by several analysts shows a variation of several hundred per cent. as applied to the ***SAME SAMPLE OF BELLADONNA PLASTER.***)

In view of the uncertainty and unreliability of chemical tests commonly applied to Belladonna Plasters, and in view of the fact that they are of little value to the druggist or physician, who is unable to verify or disprove them, we are led to make the following offer :—

We will pay **£100** for the best process of testing Belladonna Plasters, adapted to the use of the druggist and physician possessed of ordinary intelligence and faculties, which will show:

(1) Whether a given sample of Belladonna Plaster is made of ***BELLADONNA,*** or is compounded from some other drug or drugs, or filled with mydriatic alkaloids for assays or other purposes.

(2) Whether or not a given sample of Belladonna Plaster conforms to the Pharmacopœial requirements.

In other words, a process which will enable any buyer or prescriber to judge of the reliability of the Belladonna Plasters on the market.

Further details and information as to this award will be made upon application. The award will be made by a committee of Pharmaceutical and Medical Authorities to be hereafter named.

Johnson's Belladonna Plaster is made of ***BELLADONNA;*** it conforms in strength of drug to the British Pharmacopœia, 1898.

We are desirous of securing a process that can easily be applied, and that will convince buyers of Belladonna Plasters of the accuracy of this statement.

JOHNSON & JOHNSON,

NEW BRUNSWICK, N.J., U.S.A.

Address Correspondence,

JOHN TIMPSON & CO., 104 Golden Lane, E.C.

Sole Agents for Great Britain, the Colonies, and the Continent of Europe.

REGISTERED TRADE MARK

VIMULE

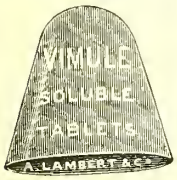
REGISTERED TRADE MARK

SOLUBLE TABLETS

Previously Advertised as

LAMBERT'S SOLUBLE QUININE TABLETS.

PERFECTLY PREPARED.



ABSOLUTELY RELIABLE.

SALE UPWARDS OF 8,000,000.

These Tablets are manufactured by us of the best materials procurable. We guarantee every one to be of accurate proportions, and can with confidence recommend them to the trade as one of the best ever introduced.

They are packed in specially neat metal boxes of **1** doz., and sealed with our Registered Label, without which they are not genuine.

Our method of packing particularly adapts them for exportation. Being practically air-tight they will keep in perfect condition for a long period, and liability to injury by variation of climate is reduced to a minimum.

Advertised to retail at 2/- per box of **1** dozen. 5/- for three boxes. 9/6 for six boxes. **17/-** for **12** boxes.

Trade Price.

12/6 net per dozen boxes of **1** dozen each.
Single boxes **1/3**, including postage.
Orders of ½ doz. boxes and upwards sent post free.
Can be obtained through any wholesale house.

PERFECTLY PREPARED.

TRADE PRICES MODERATE.

SALE UPWARDS OF 8,000,000.

A. LAMBERT & CO., 16 DALSTON LANE, **LONDON, N.E.**

HAYWOOD'S NOVELTIES FOR 1899

TRUSSES, covered with a New Material, CONGO.

Soft to the body, and do not chafe. Do not **get hard with perspiration,** as is the case with Leather, and therefore suitable for those **working in Pits, Furnaces,** &c., as it can be **washed,** combining Cleanliness, Comfort, and Cheapness.

BELTS made from CONGO.

Light, Warm, inexpensive, and **can be washed.**

SUSPENSORY BANDAGES

With purses woven to the shape. No **Binding,** no **Wrinkles. CONGO** Bands. Light and Washable.

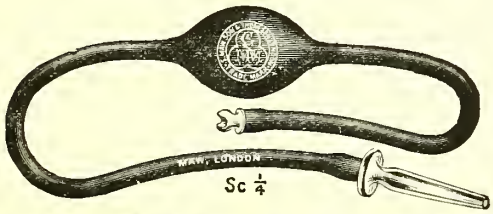
PREMIER ELASTIC STOCKINGS AND APPLIANCES

Made from New Material. Softness and Brightness of Silk at the price of Thread.

J. H. HAYWOOD, Surgical, Electrical, Athletic, and Veterinary Appliance Manufacturer,
CASTLE GATE, NOTTINGHAM. London Office: 27 Falcon Square.

MAW'S

SEAMLESS



S. MAW, SON & THOMPSON,
7-12 Aldersgate Street, LONDON.

ANTISEPTIC DRESSINGS, &c.

		Percentage	In Paper Parcels		In Boxes		In Sealed Tins	
			s.	d.	s.	d.	s.	d.
GAUZES (36 in. wide)—Boric ...	per dozen yards	25	1	9	2	0	2	3
Carbolized, unbleached	,, ,,	5	1	8	1	11	2	2
Iodoform	,, ,,	10	4	0	4	3	4	6
Iodoform	,, ,,	5	4	0	4	3	4	6
Lister's Cyanide of Mercury and Zinc	,, ,,	3	3	2	3	5	3	8
Sal Alembroth	,, ,,	1	1	9	2	0	2	3
Salicylic	,, ,,	4	2	4	2	7	2	10
Sublimate, Unbleached	,, ,,	¼	1	6	1	9	2	0
LINTS—Boric...	per lb.	45	1	6	1	9	2	0
Carbolized	,,	5	2	0	2	3	2	6
Cyanide of Mercury and Zinc	,,	3	3	4	3	7	3	10
Iodoform	,,	10	5	0	5	3	5	6
Sal Alembroth	,,	2	2	1	2	4	2	7
Salicylic	,,	4	2	4	2	7	2	10
Sublimate	,,	¼	2	0	2	3	2	6
WOOLS—Boric	,,	45	1	4	1	7	1	10
Carbolized	,,	5	1	6	1	9	2	0
Cyanide of Mercury and Zinc	,,	3	2	8	2	11	3	2
Iodoform	,,	10	4	6	4	9	5	0
Sal Alembroth	,,	2	1	6	1	9	2	0
Salicylic	,,	4	1	9	2	0	2	3
Sublimate	,,	¼	1	4	1	7	1	10

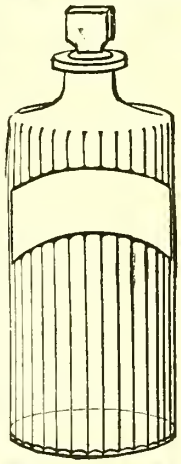
S. MAW, SON & THOMPSON, 7 to 12 Aldersgate Street, **LONDON.**

TOOGOOD'S WHITE GLASS
POISON SHOP ROUNDS

(Conforming to the Poison Regulations).

Extract from Regulations—

b. Poisons to be kept in a bottle or vessel, ***distinguishable by touch*** from the bottle or vessel in which ordinary articles are kept in the same warehouse, shop, or dispensary.



SIZES:—

	8	16	20	32	40	48 oz.
Height to Shoulder	4	5	5¼	6¼	7	7¾ in.
Height to top of Stopper	5¾	7⅜	7¾	9	10¼	10¾ in.
N.M.	8/-	11/-	12/-	15/-	16/-	18/- doz.
W.M.	9/-	12/-	13/-	16/-	17/-	19/- „

LABELLING IN GOLD, 3/6 doz.

WILLIAM TOOGOOD,

Burlington Buildings, Heddon Street, Regent Street, LONDON. W.

R. H. BARRETT'S PATENT CAPPED BOTTLE.

The only REALLY PERFECT Bottle for Vaseline, Boot Creams, Pomades, Dry Powders, &c.

PRICES:

TALL SERIES, fitted with STRONG METAL CAPS, CORK-LINED, in various Colours, very attractive in appearance:—

1-oz. 11/6; 1½-oz. 12/-; 2-oz. 12/9; 3-oz. 15/9; 4-oz. 17/3 per gross, &c.

Special Prices on application for Quantities.

CHEMISTS' AND PERFUMERS' BOTTLES IN GREAT VARIETY, PLAIN OR STOPPERED.

R. H. BARRETT,

FLINT GLASS BOTTLE WORKS, THE OVAL, CAMBRIDGE HEATH, LONDON, E.

Telegraphic Address—"FOREFRONT LONDON."

LISTER'S ANTISEPTIC DRESSINGS

(ISDAMA BRAND).

See that the Red Cross is on every package.

TRADE ISDAM MARK.

Be sure to specify **MILNE'S LISTER'S.**

Prepared according to Lord Lister's personal instructions.

MILNE'S ABSORBENT WOOL, LINT, TISSUE, BANDAGES.

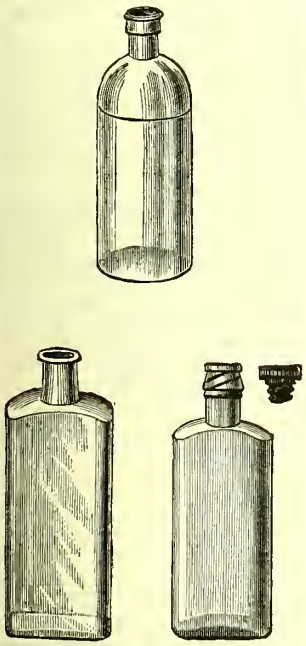
LISTER'S DOUBLE CYANIDE GAUZE.

MILNE'S JACONET BED-SHEETINGS, OILED SILK.

PLEASE APPLY FOR JOHN MILNE'S ILLUSTRATED CATALOGUE.

THE CALEN MANUFACTURING CO., LTD., Antiseptic Dressings Factory, **LADYWELL, S.E.**

"GLASS BOTTLES"



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(Fluid and Powder),
Citrate Magnesia and Salines,
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(For Corks & Screw Stoppers),
Cough Mixtures,
Perfumery and Toilet
Preparations,

Feeding

Embrocations,
Polishes (Boot & Furniture),
Disinfectants,
Stains, Varnishes,

Aërated Waters

(For Corks and Stoppers),

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And many other purposes.

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DEUTSCHE GOLD & SILBER SCHEIDE, ANSTALT,
FRANKFURT a. M.

POTASS. CYANIDE.

White, 98 to 100% and 30%. [4]

SOLE AGENT—
FREDK. BOEHM,
16 Jewry St., London, E.C.

MAGNESIA

CARBONATE, CALCINED, AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.

London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C. [1]

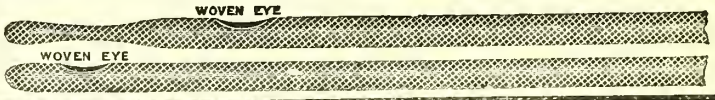
F. J. BYRNE, Chemist,
BULAWAYO,
Has the largest and most handsome premises in the
DRUG TRADE IN RHODESIA.
Agencies undertaken.

FORTUNA HÆMATOGEN.
Price 2/- per bottle (9 oz.). To be obtained, with 30 per cent. discount, from the principal Wholesale Drug and Patent Medicine Houses, or from the
FABRIK PHARMAC. PRÆPARATE,
6 a Dragonerstr., BERLIN, C.

ESCHMANN BROS. & WALSH.

Inventors and Manufacturers of the
SOFT SILK FLEXIBLE CATHETER, GUARANTEED WITH WOVEN EYES.

To be had of all Surgical Instrument Makers and Wholesale Houses.



To be had of all Surgical Instrument Makers and Wholesale Houses.

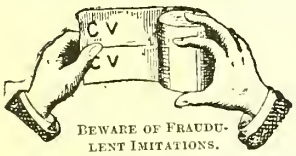
VINCENT WOOD'S
LATEST SPECIALITIES—
THE "EUREKA" HERNO TRUSSES.
The Pad is made of a Patented Elastic Composition, which is not affected by heat or cold, and the wear very luxurious.

Prices per doz.	A	B	C quality.
Single	18/6	27/-	30/-
Double	27/-	42/-	45/-

SEND FOR MY PRICE LIST.

Another great Surgical Invention is
THE EUREKA "CREPE VELPEAU" RUBBERLESS POROUS BANDAGES.
They will supersede every other in the near future.
In Bandages 2 2½ & 3 in. in width.
12/- 15/- 18/- per doz.

Maker on the Premises of
ELASTIC STOCKINGS, TRUSSES, SUSPENSORY BANDAGES, BELTS, CHEST PROTECTORS, &c.



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4 ALBION PLACE, BLACKFRIARS BRIDGE, LONDON, S.E.

DR. MARTIN'S PURE RUBBER BANDAGES.

For Varicose Veins, Ulcers, Eczema of the Leg, Swollen and Weak Joints.

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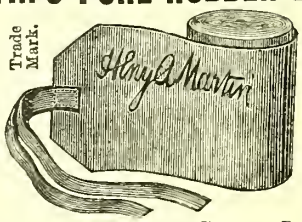

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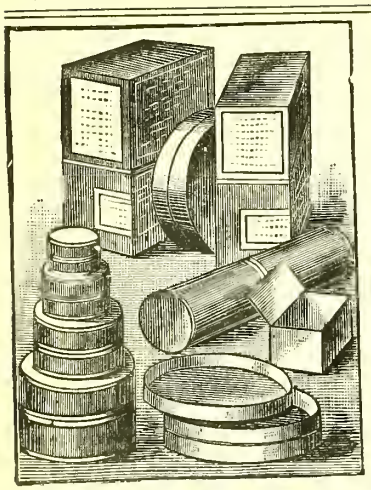

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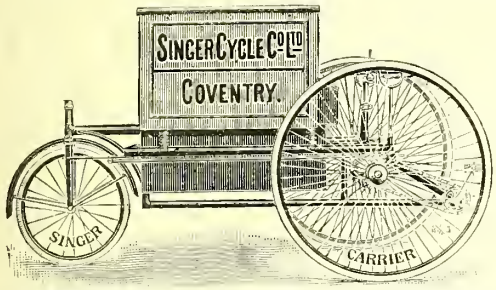

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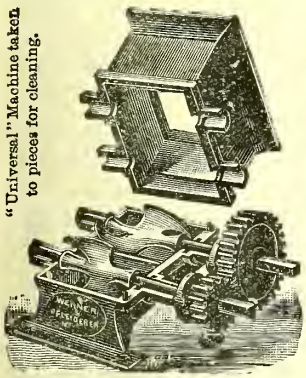

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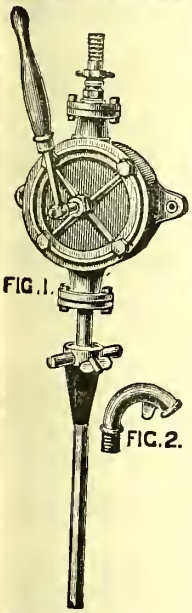

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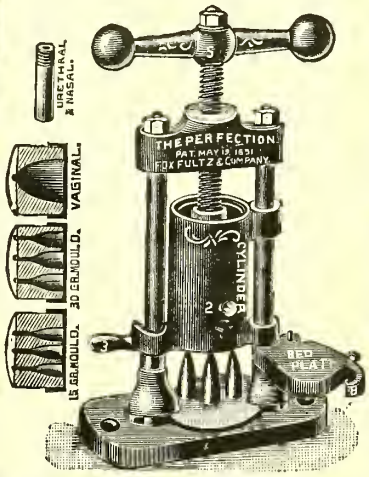

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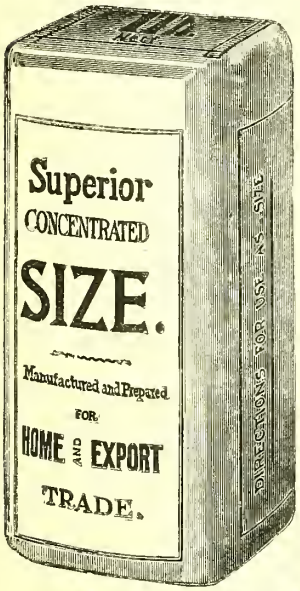

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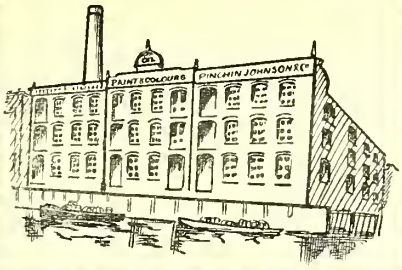

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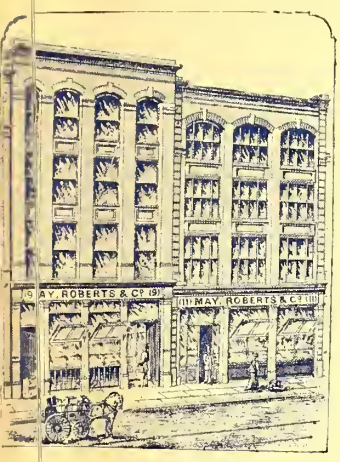

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ILLUSTRATED PRICE LIST.

Revised January, 1899.

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Packed Drugs & Perfumery.
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NO TRAVELLERS.
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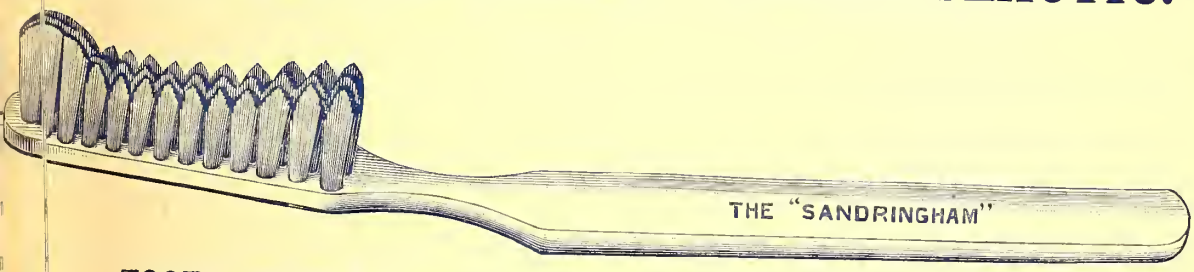
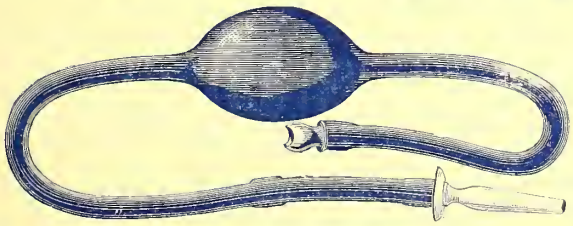
GOODS PACKED IN FREE PACKAGES.

COMMON-SENSE SHAPE—PROPHYLACTIC.



TOOTH BRUSH, Best Quality, 3-row 2/9, 4-row 3/9 per doz.

SEAMLESS ENEMAS.



Seamless, Best Polished, Black, Green, or Red, fitted with Bone Rectum-pipe, Elastic Gum Vagina-pipe, and Leather Shield, each in Oval Card Case.

Per Dozen **22/-**

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ABSOLUTELY PURE, therefore BEST.

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UNDER EMINENT SCIENTIFIC SUPERVISION

"APENTA"

THE BEST NATURAL APERIENT WATER.

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25 Large Bottles	-	20/-
50 Small ,,	-	32/6
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Carriage Paid to any Railway Station in the United Kingdom.

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